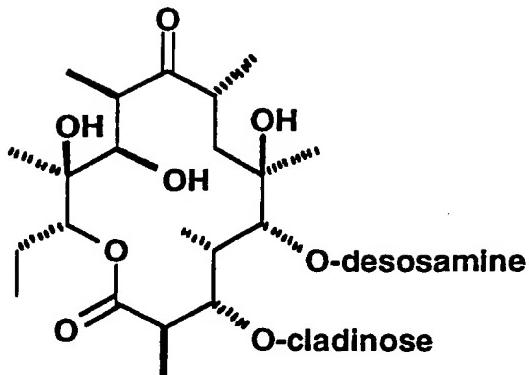


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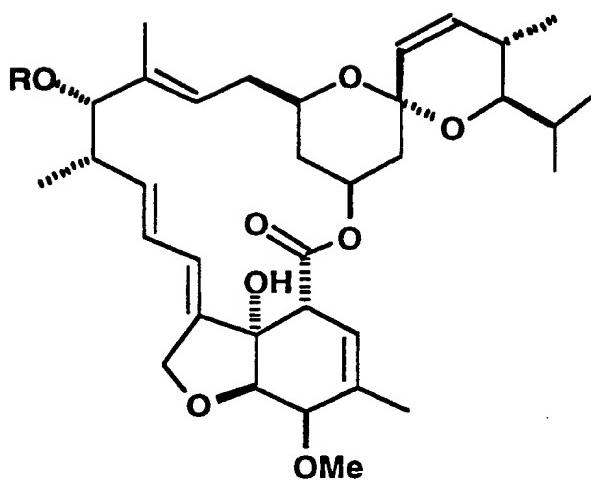
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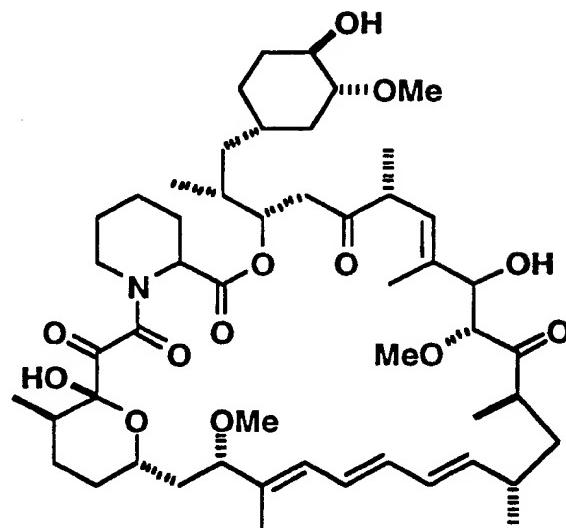
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Erythromycin A



Avermectin A1b



Rapamycin

Figure 1.

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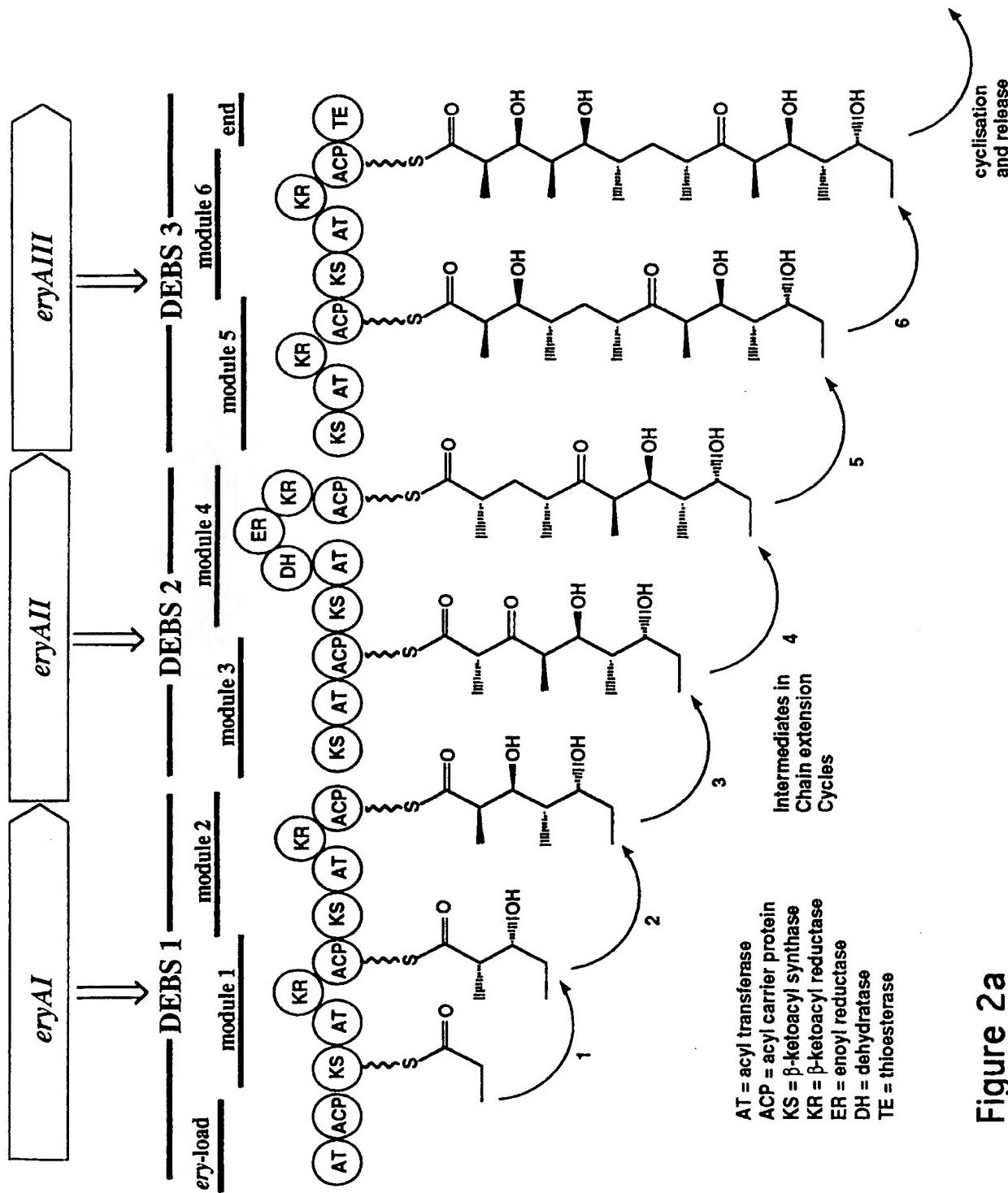


Figure 2a

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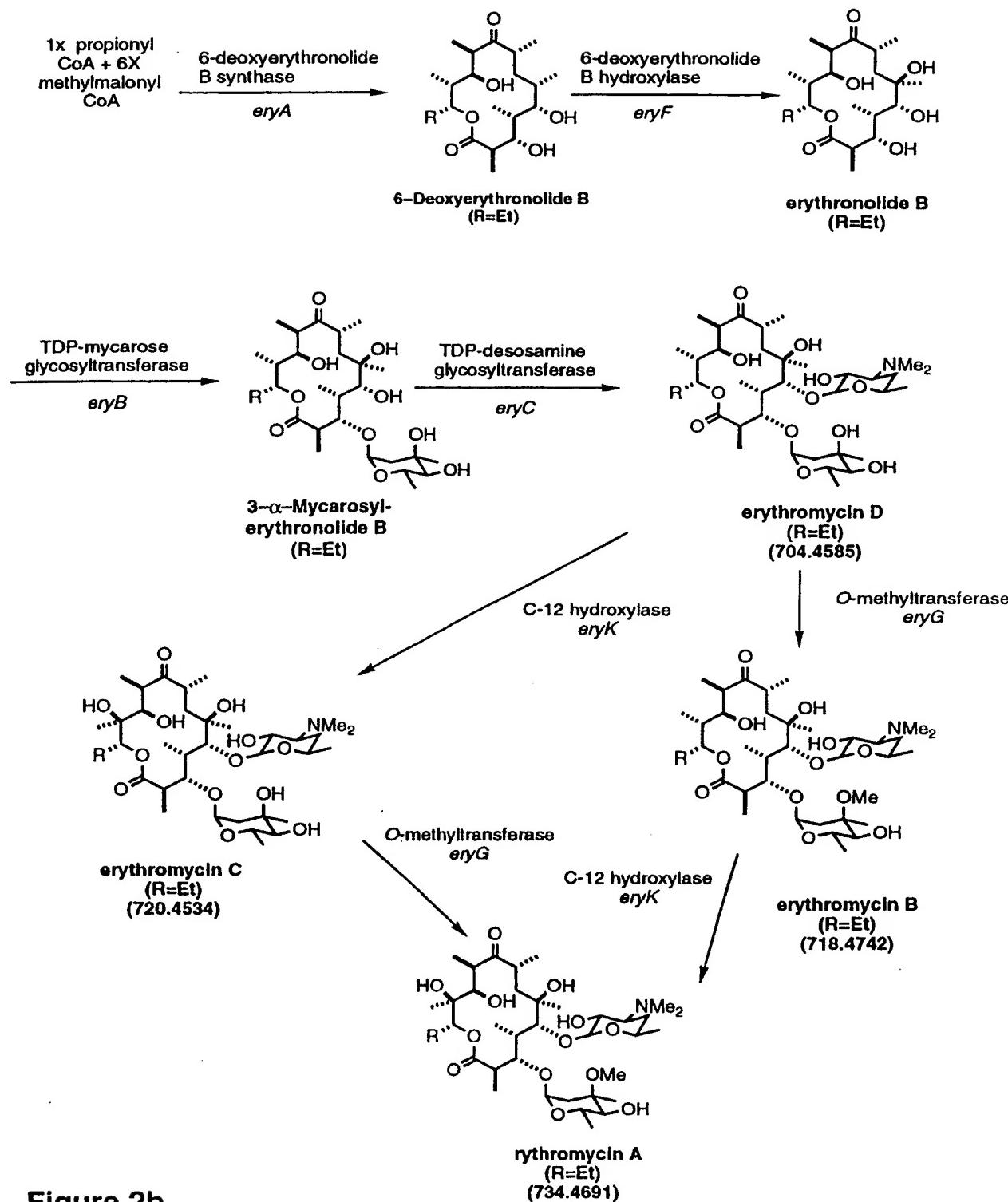


Figure 2b.

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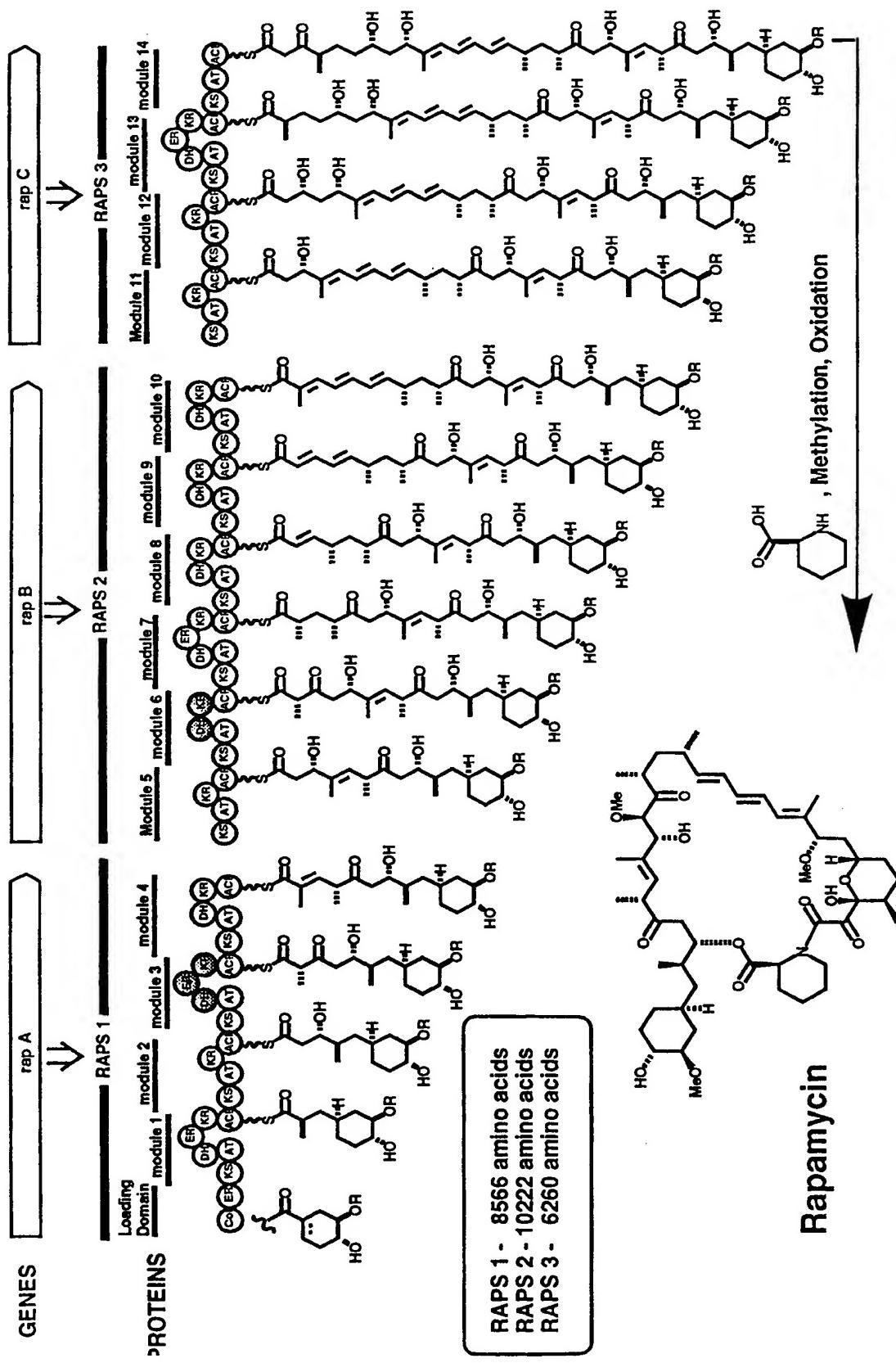


Figure 3

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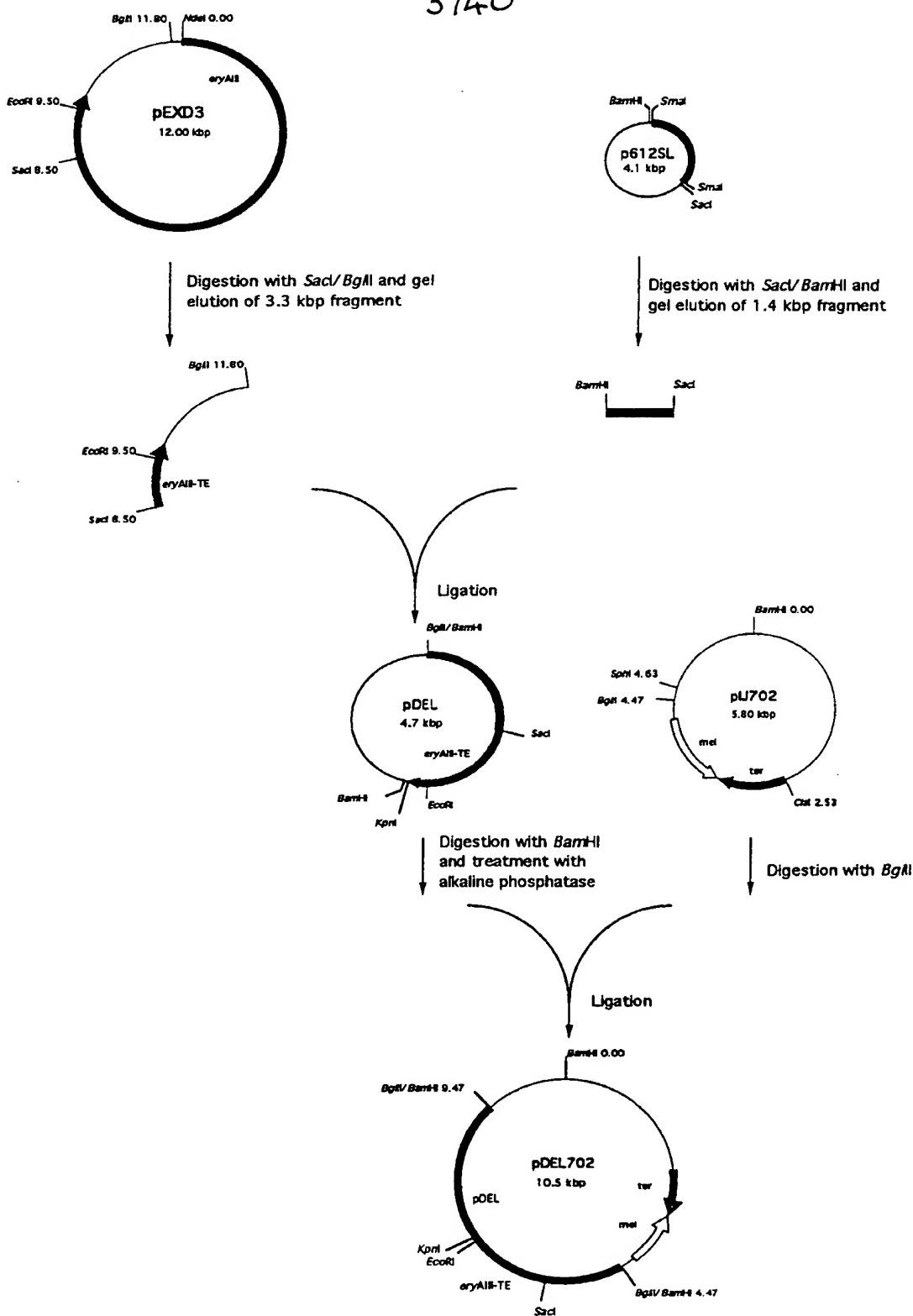


Figure 4

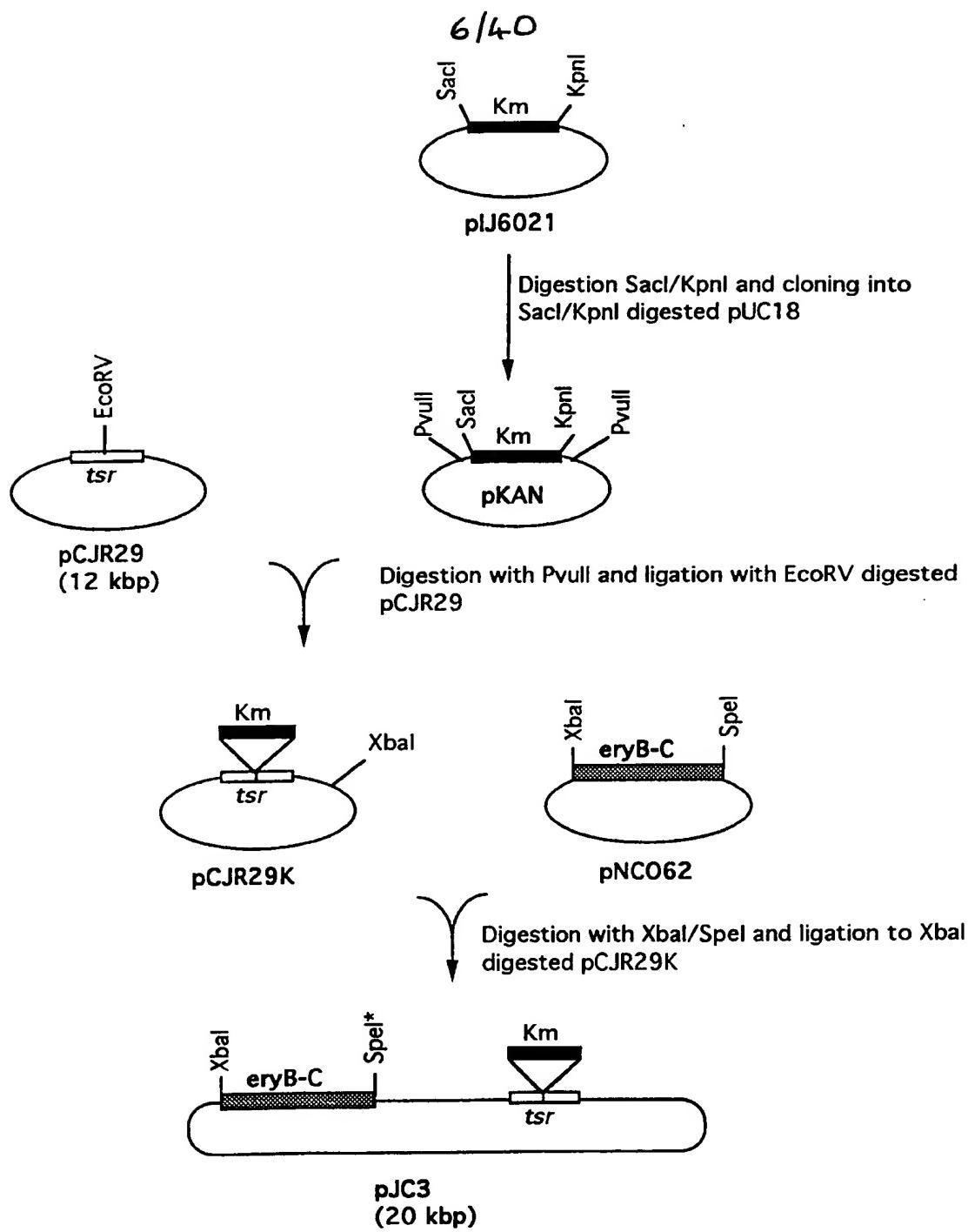
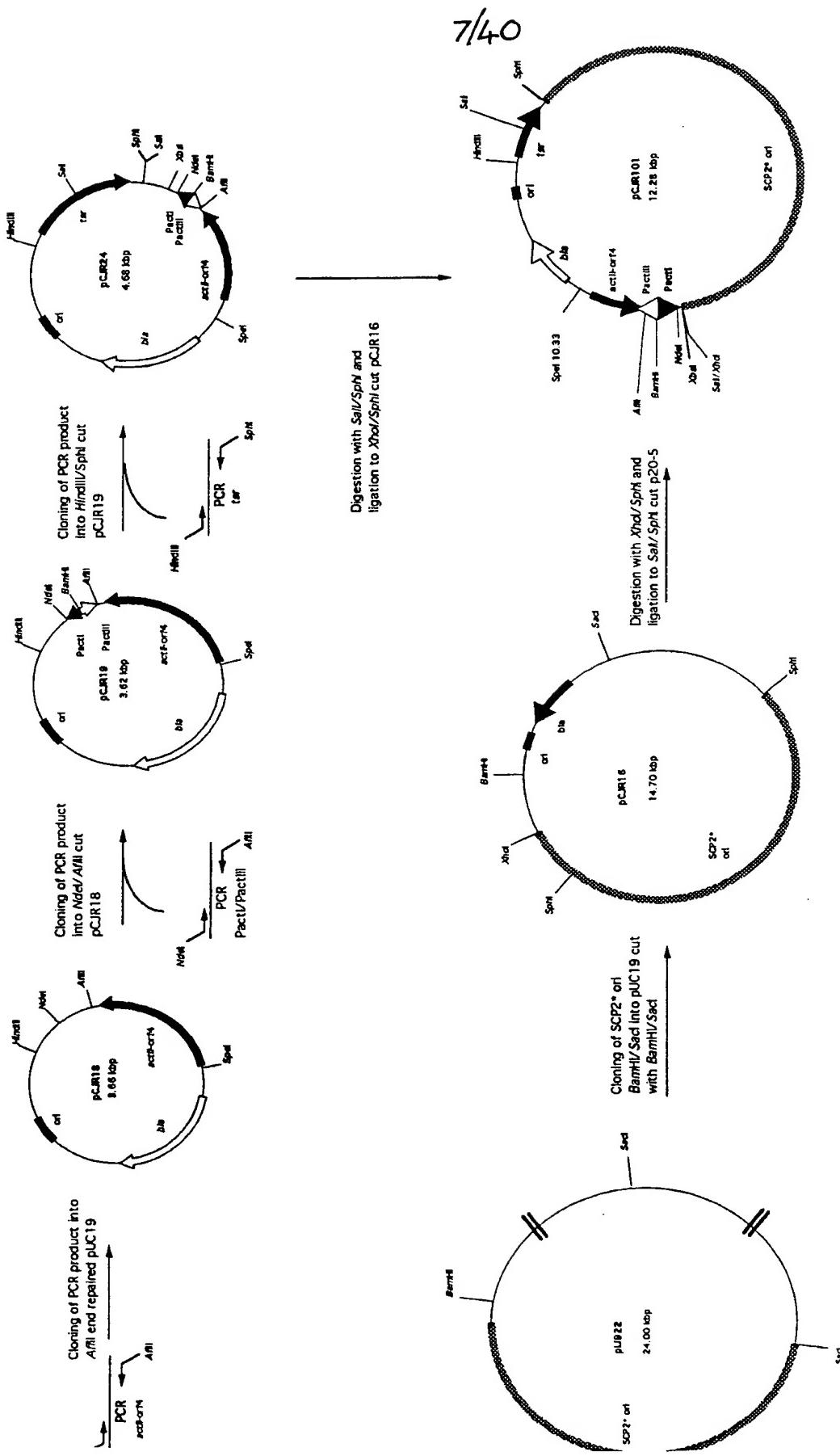


Figure 5. Construction of pJC3



SUBSTITUTE SHEET (RULE 26)

Figure 6

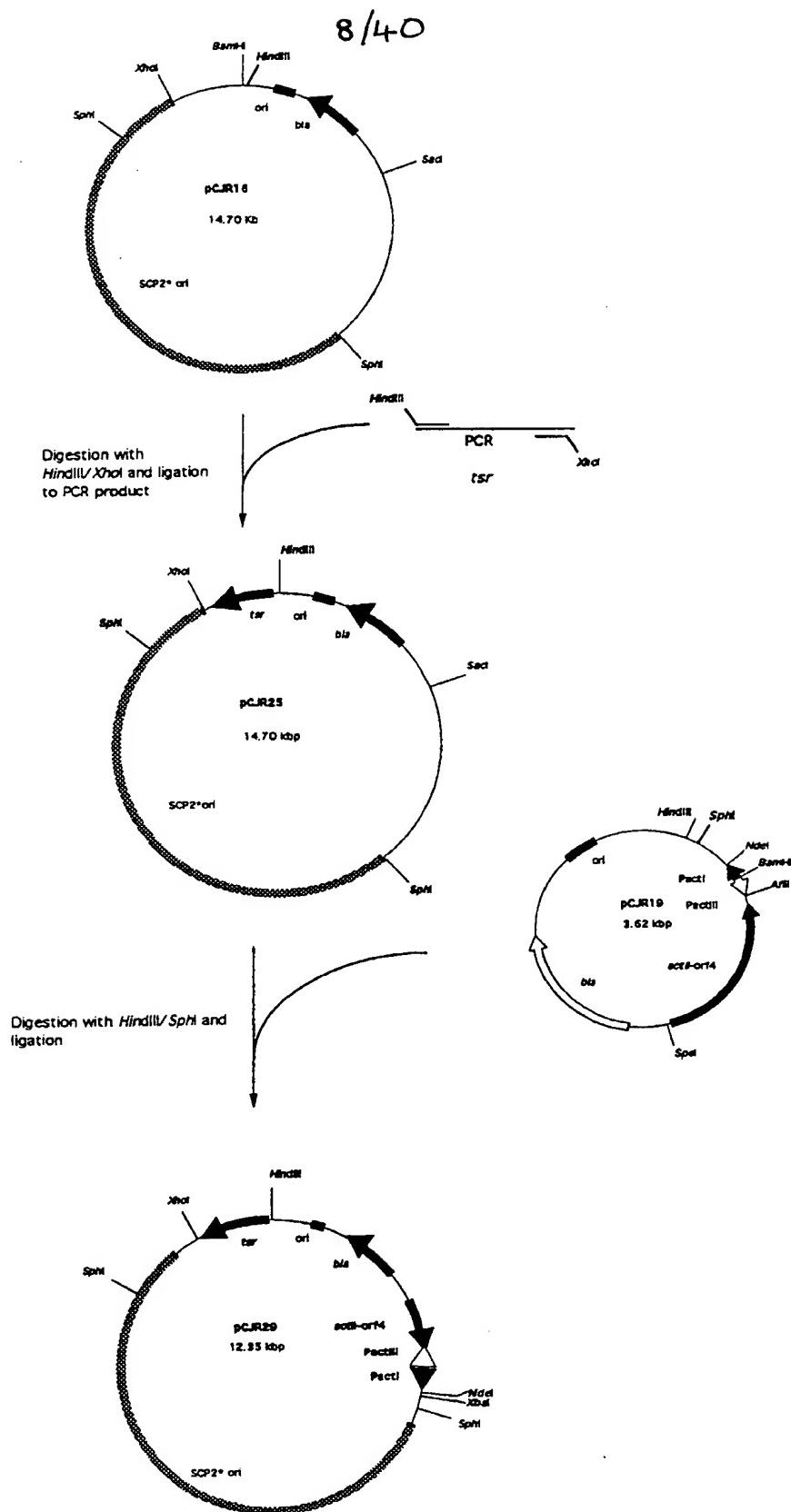


Figure 7.

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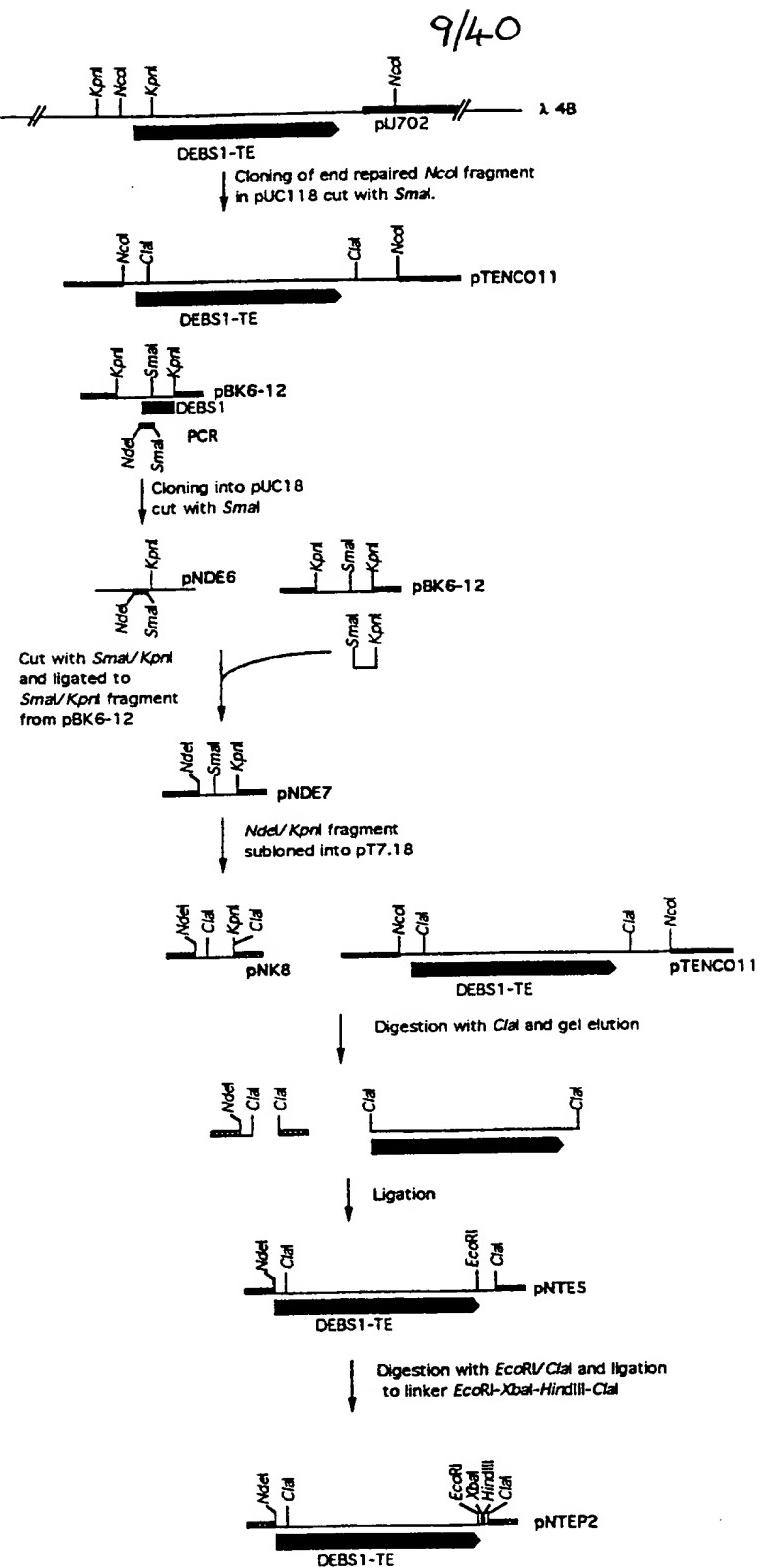


Figure 8.

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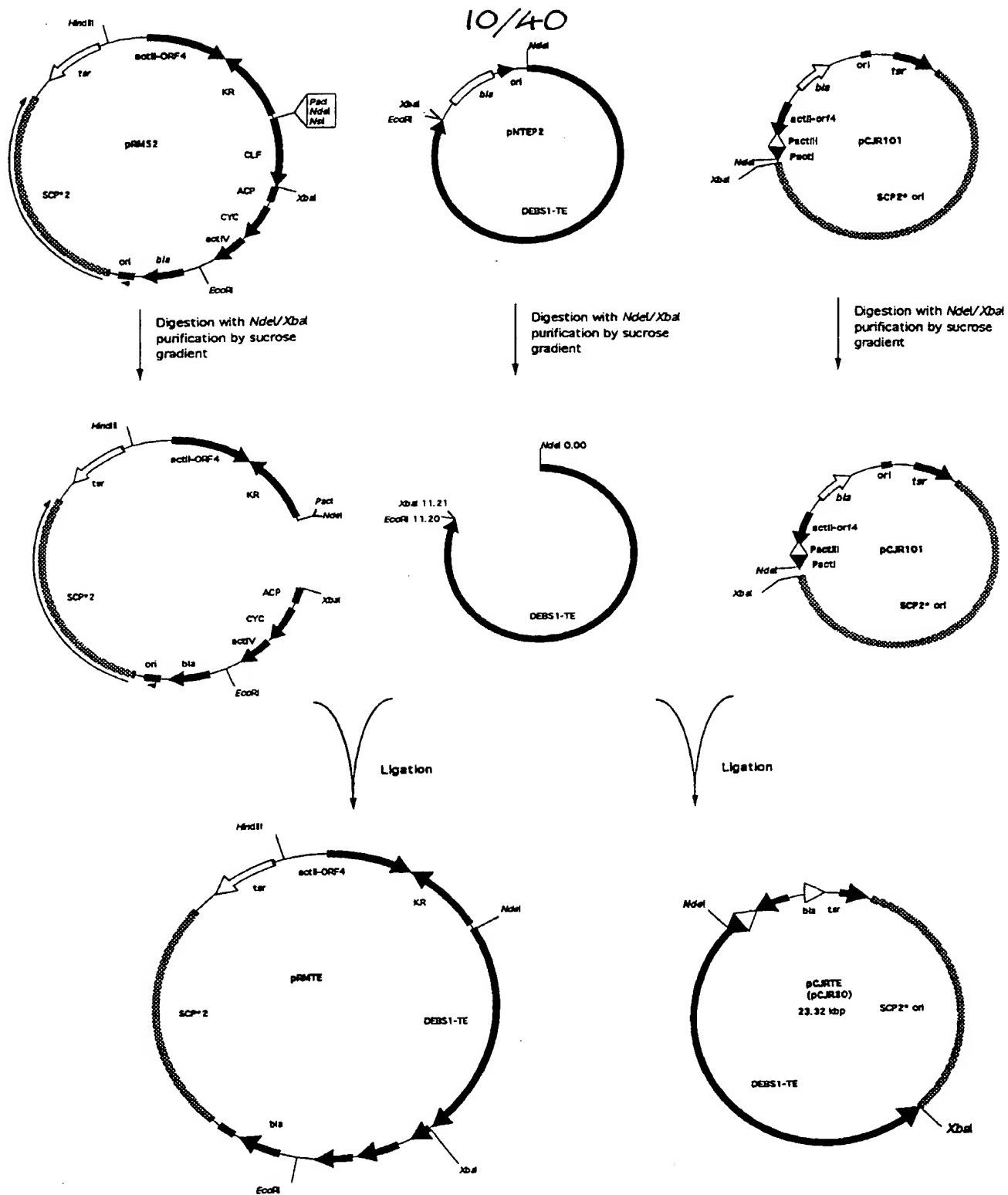
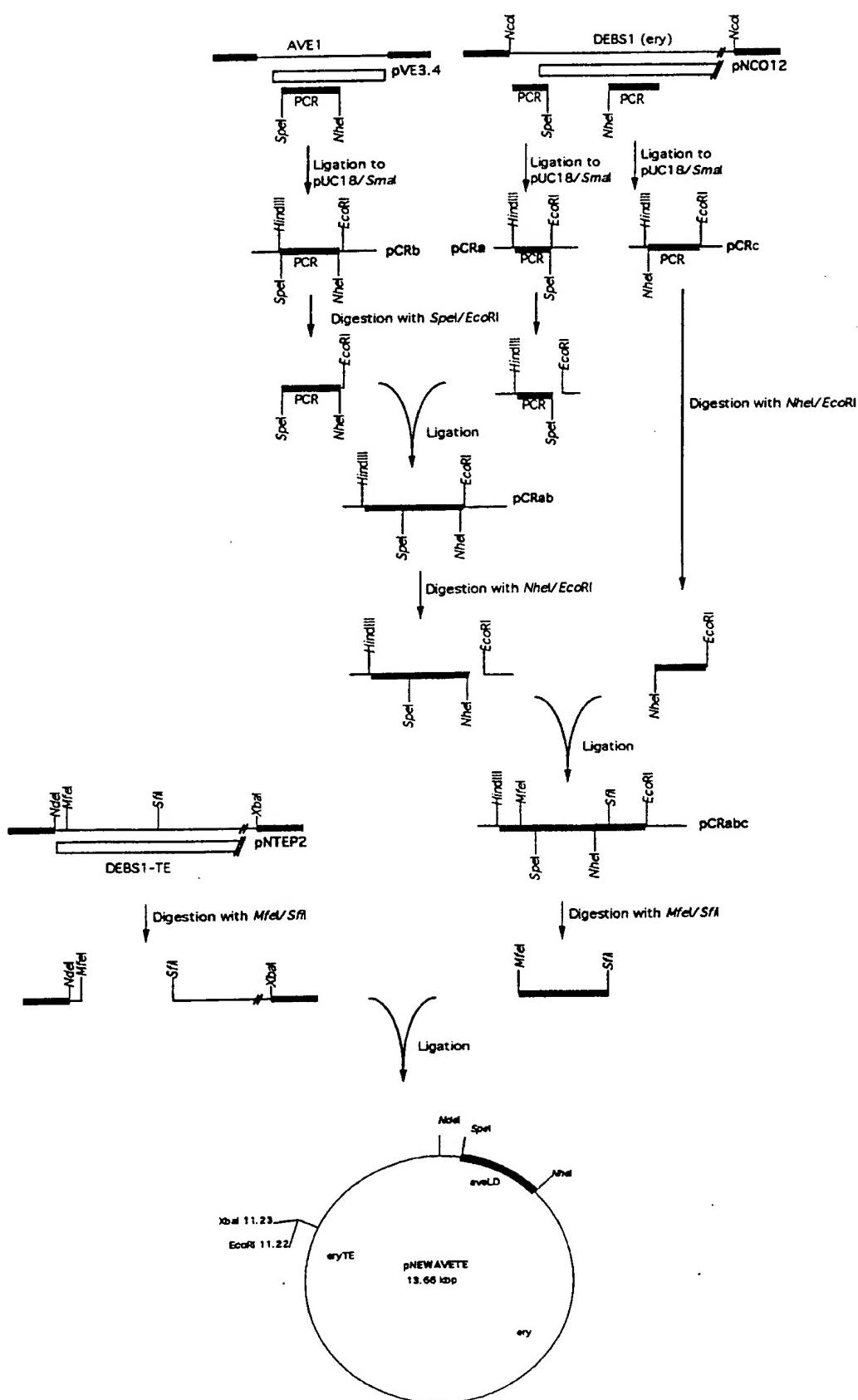


Figure 9.

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**Figure 10a.**

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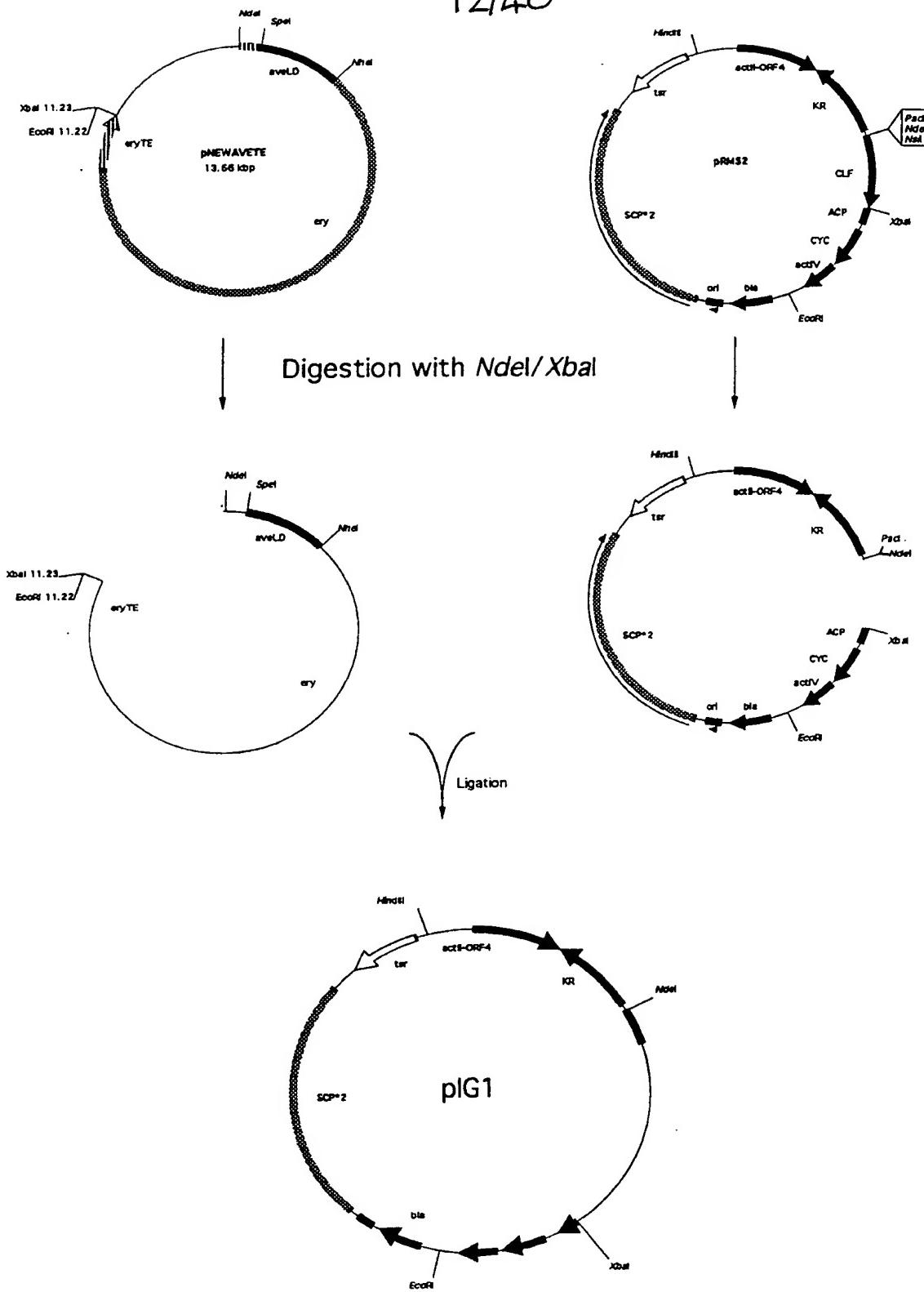


Figure 10b.

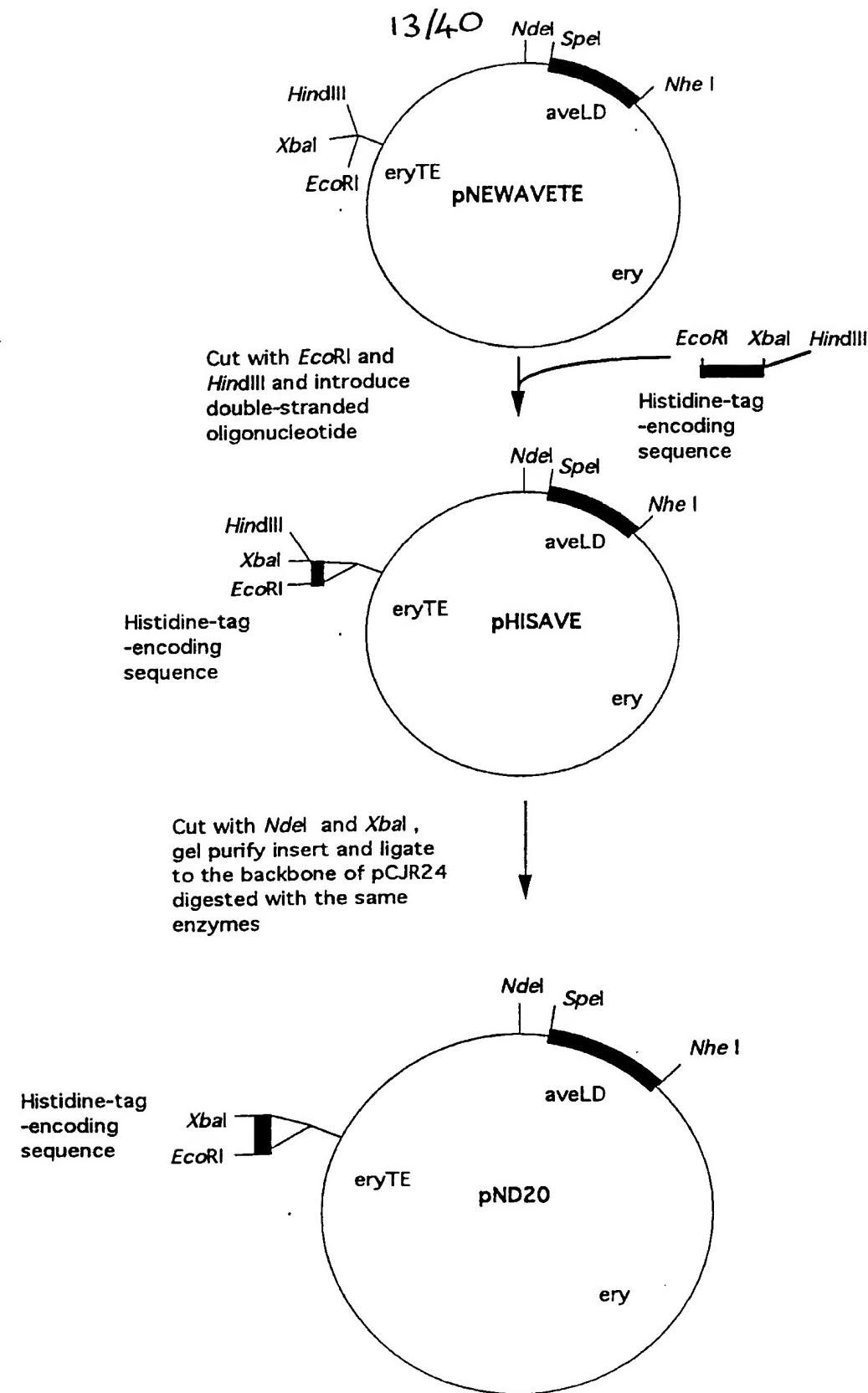


figure 11

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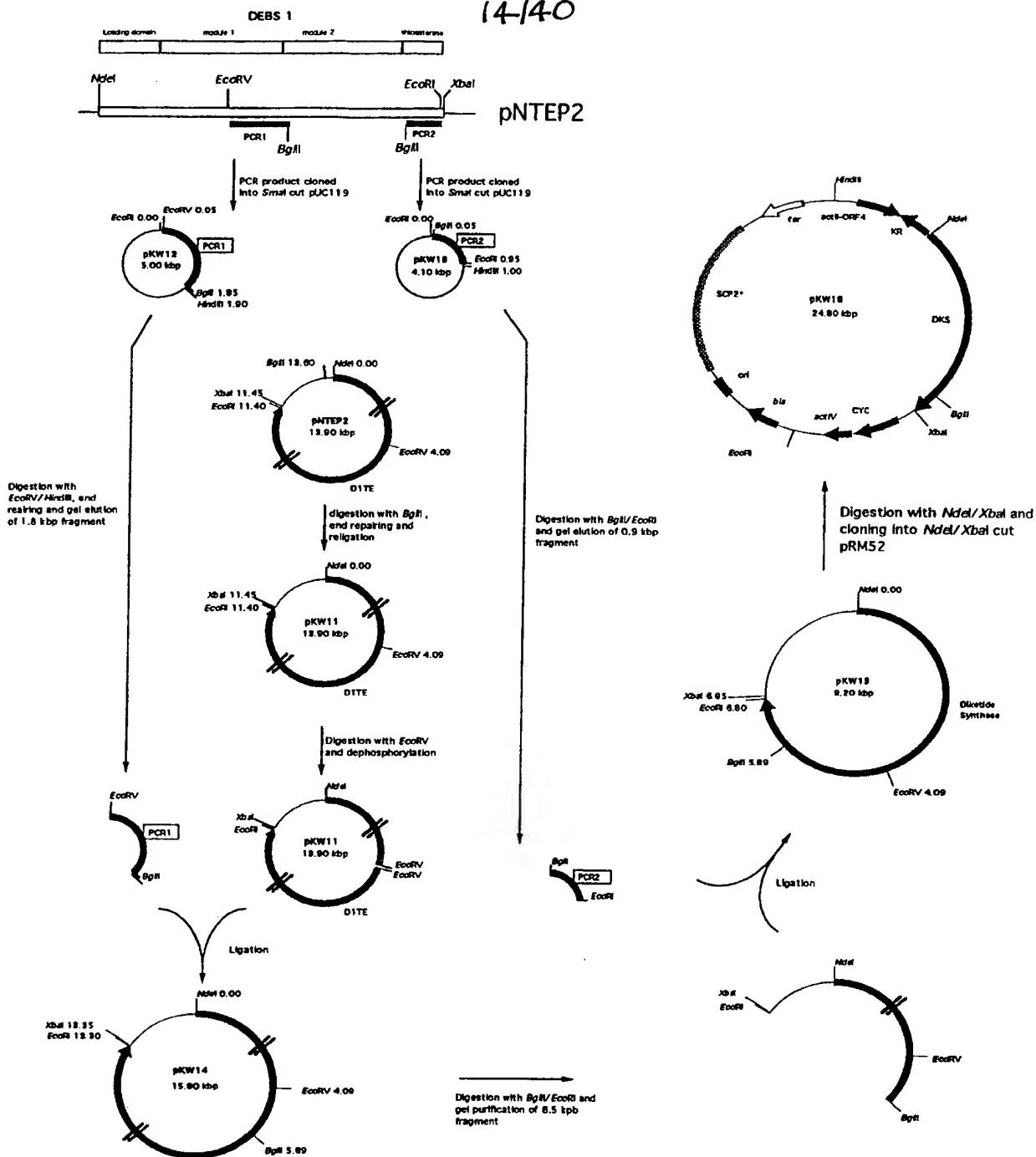


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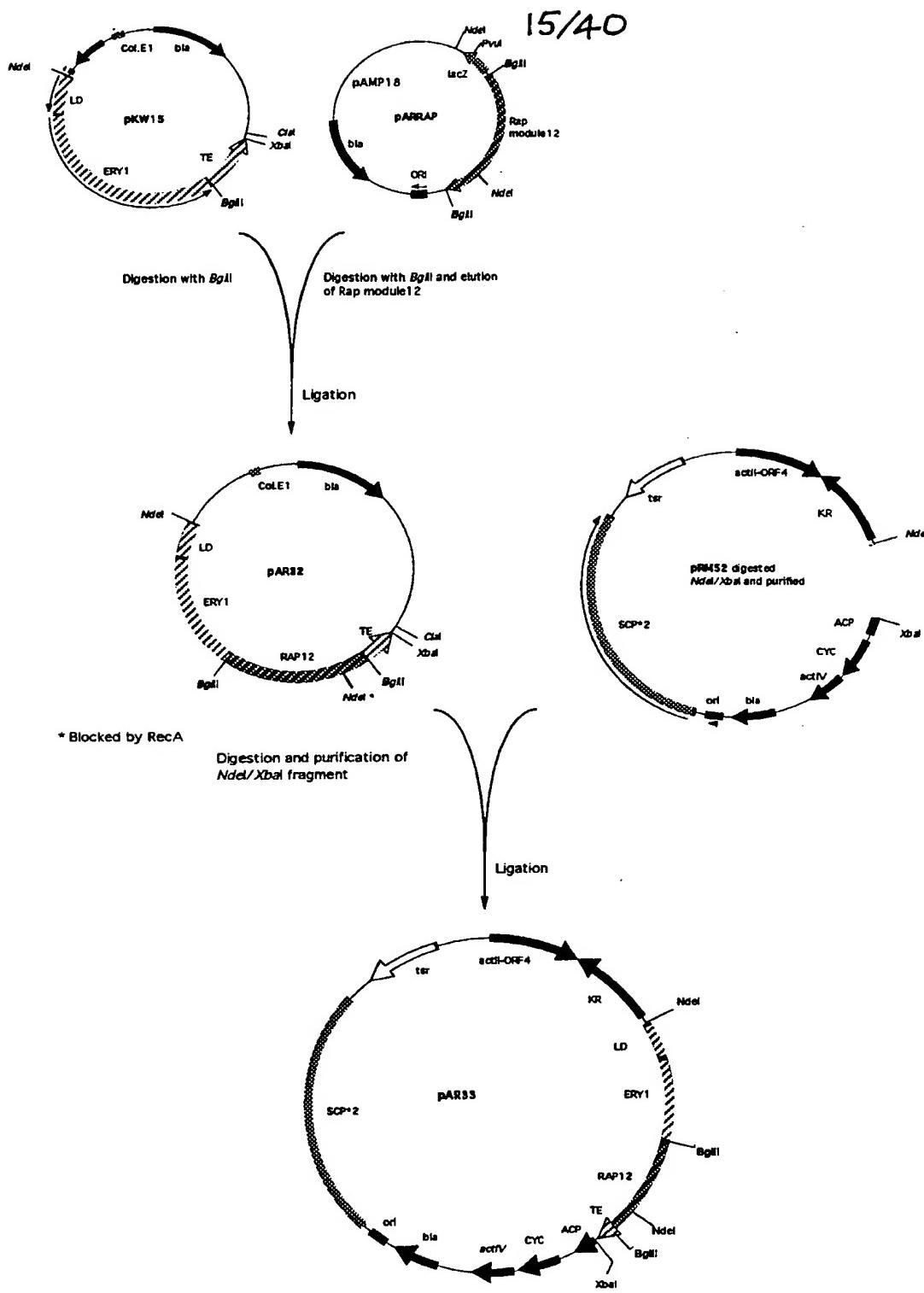


Figure 13.

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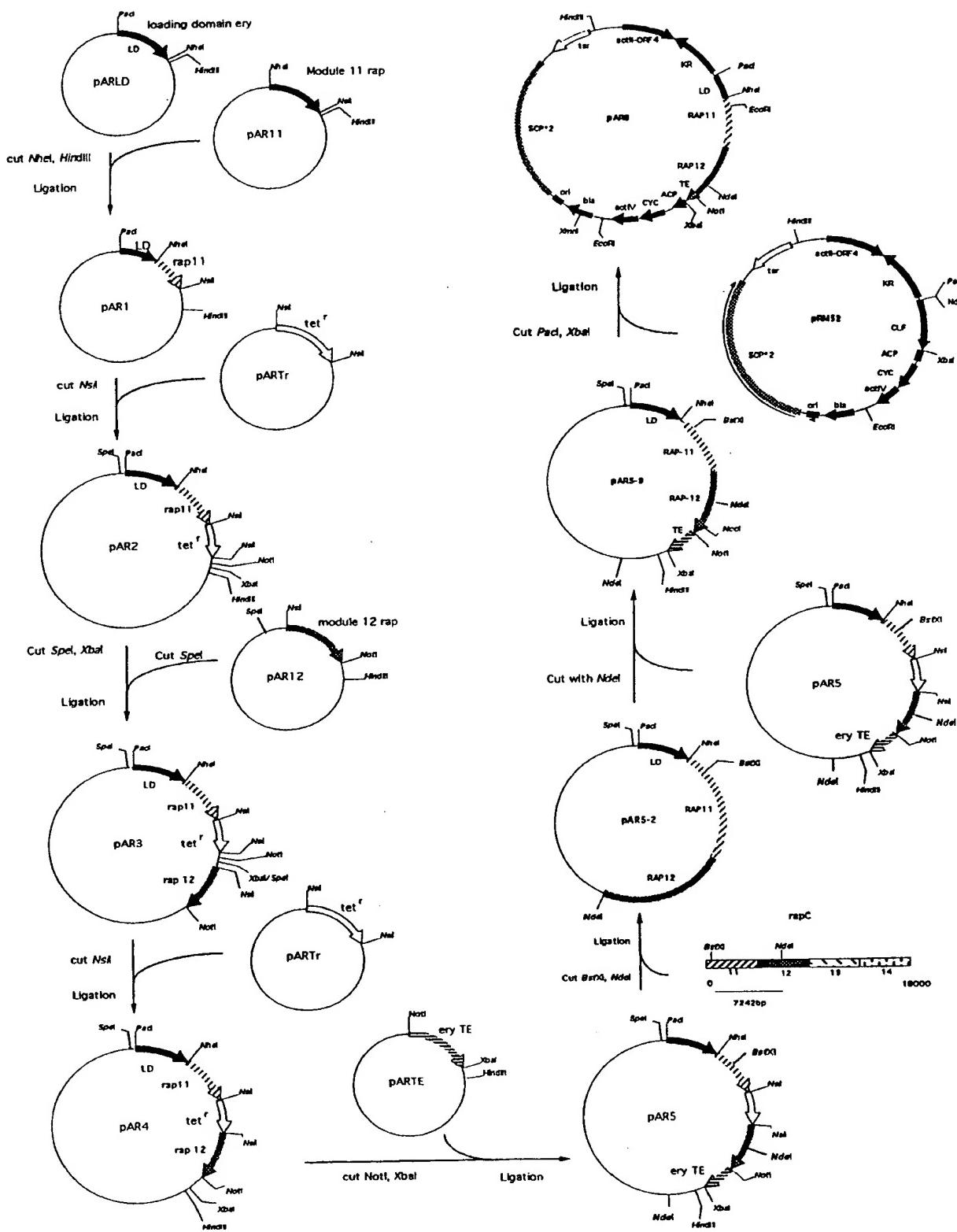


Figure 14.

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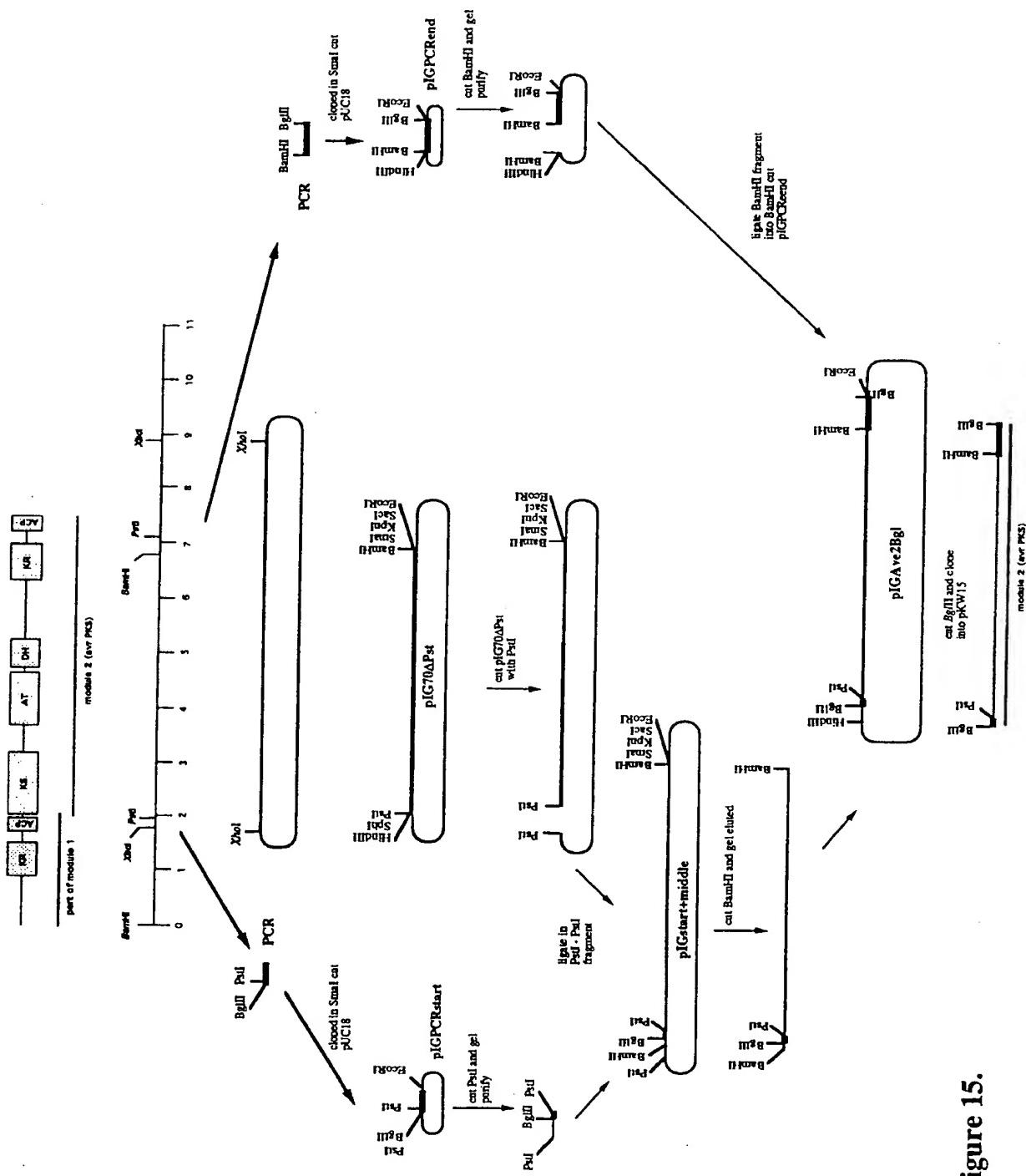


Figure 15.

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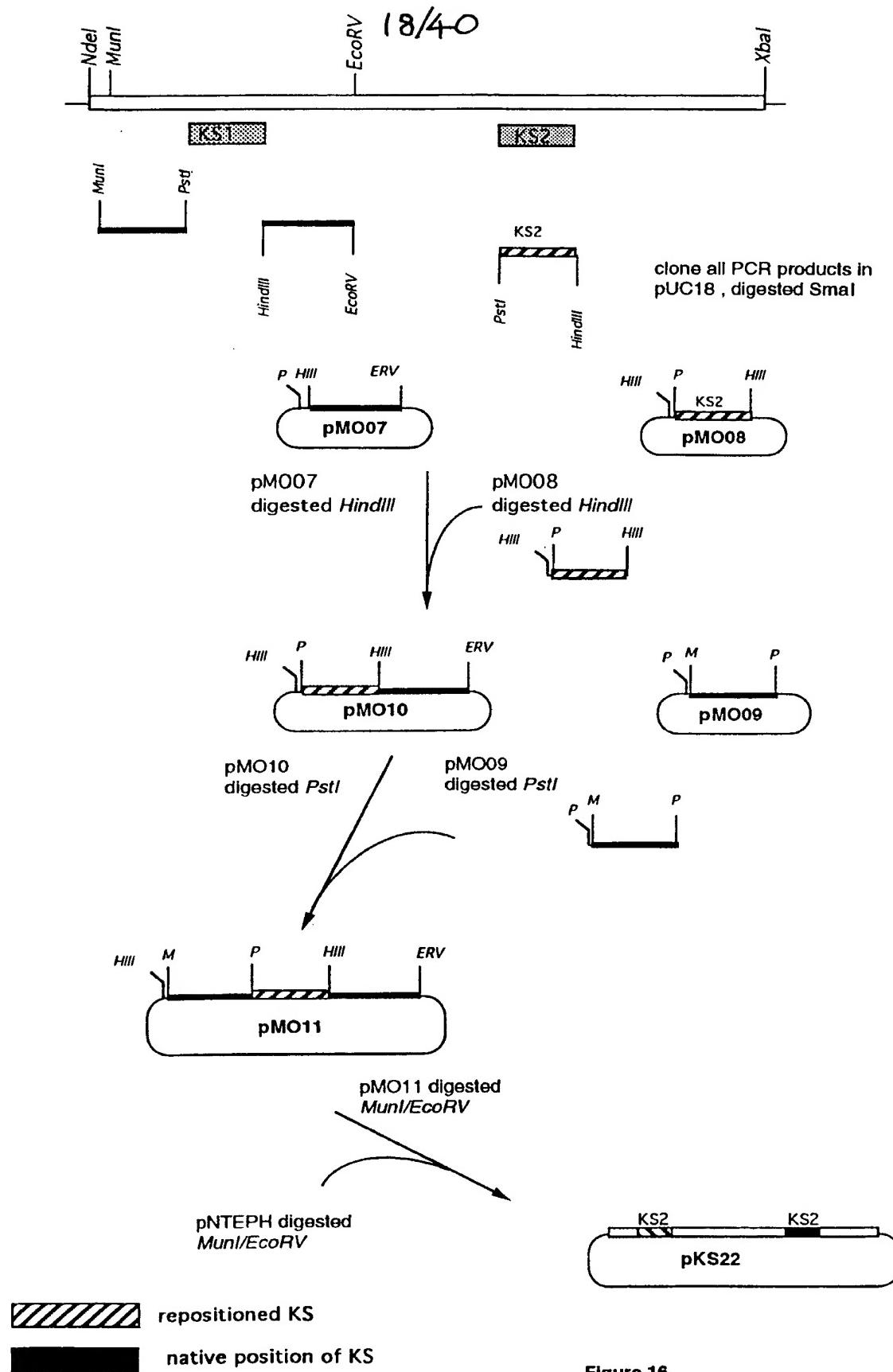


Figure 16

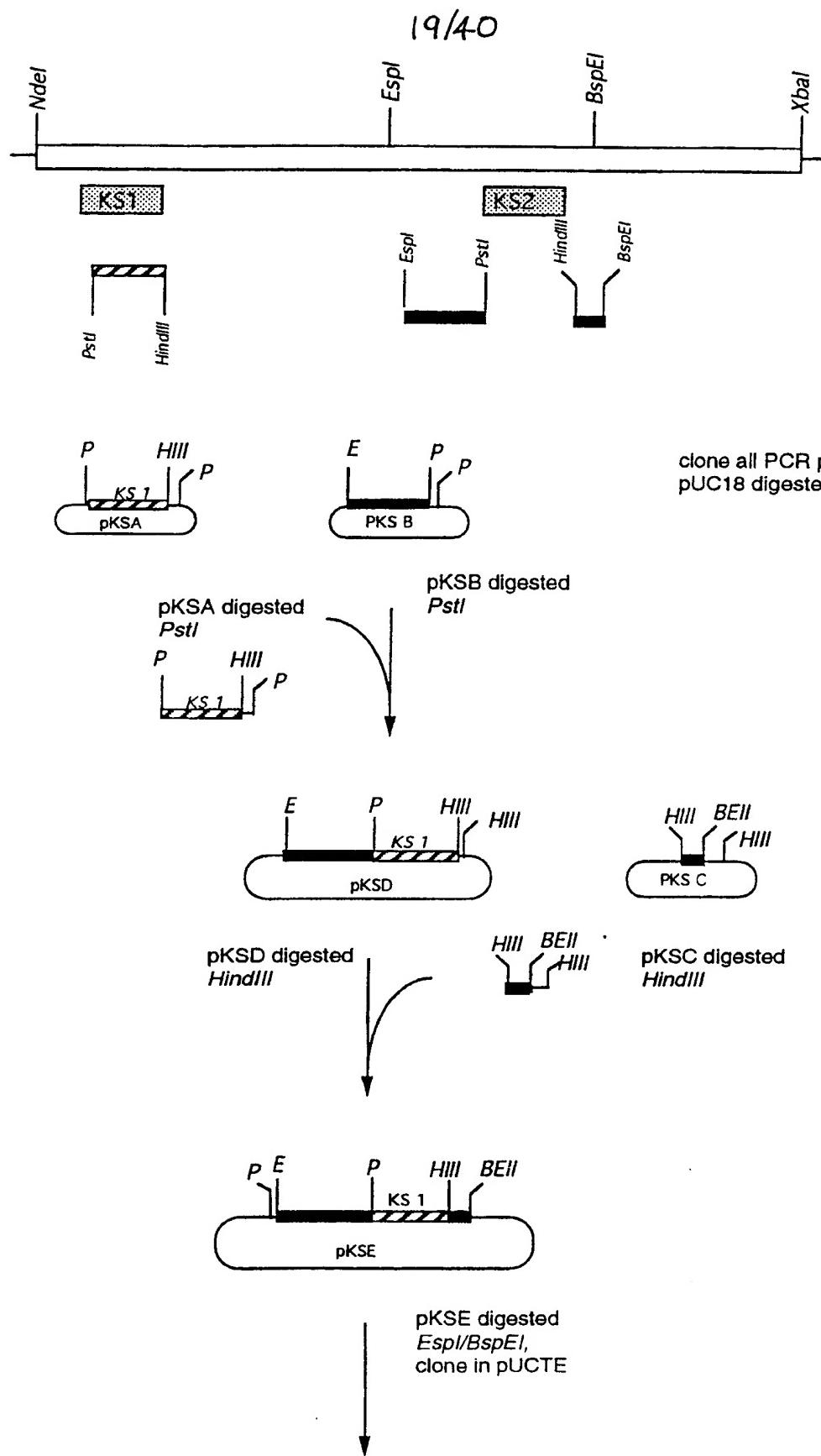


Figure 17a

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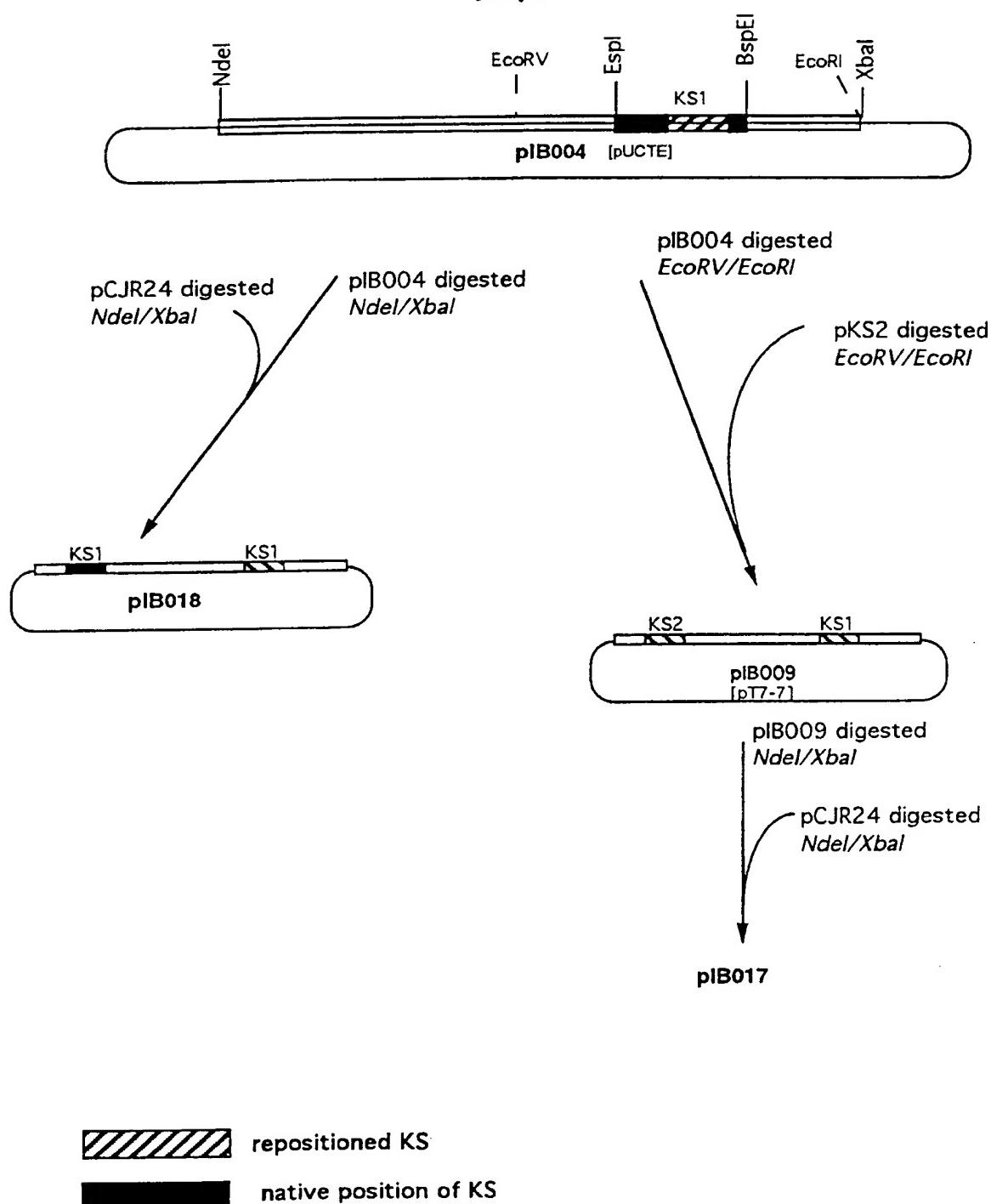


Figure 17b

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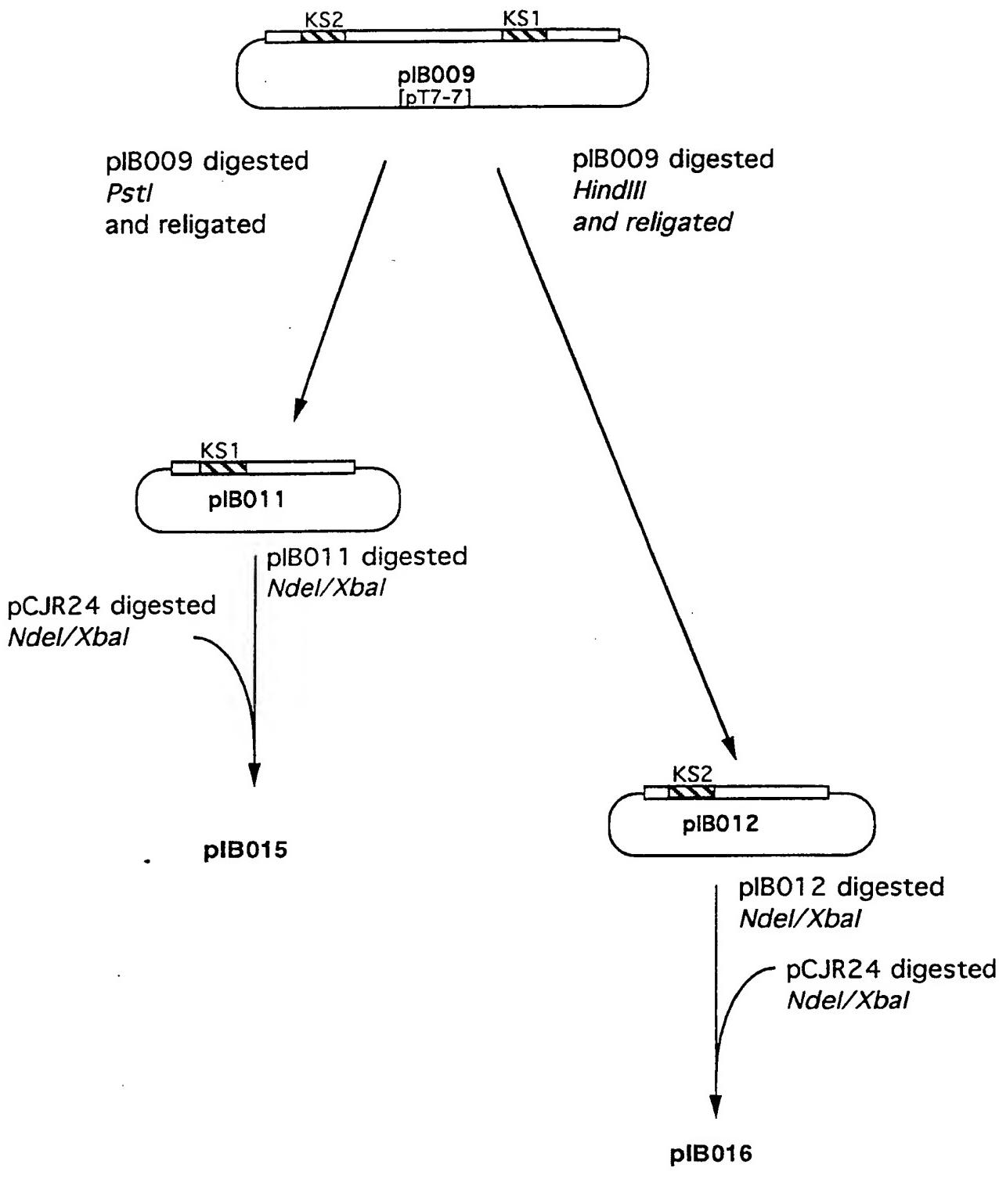


Figure 18
Construction of DKS

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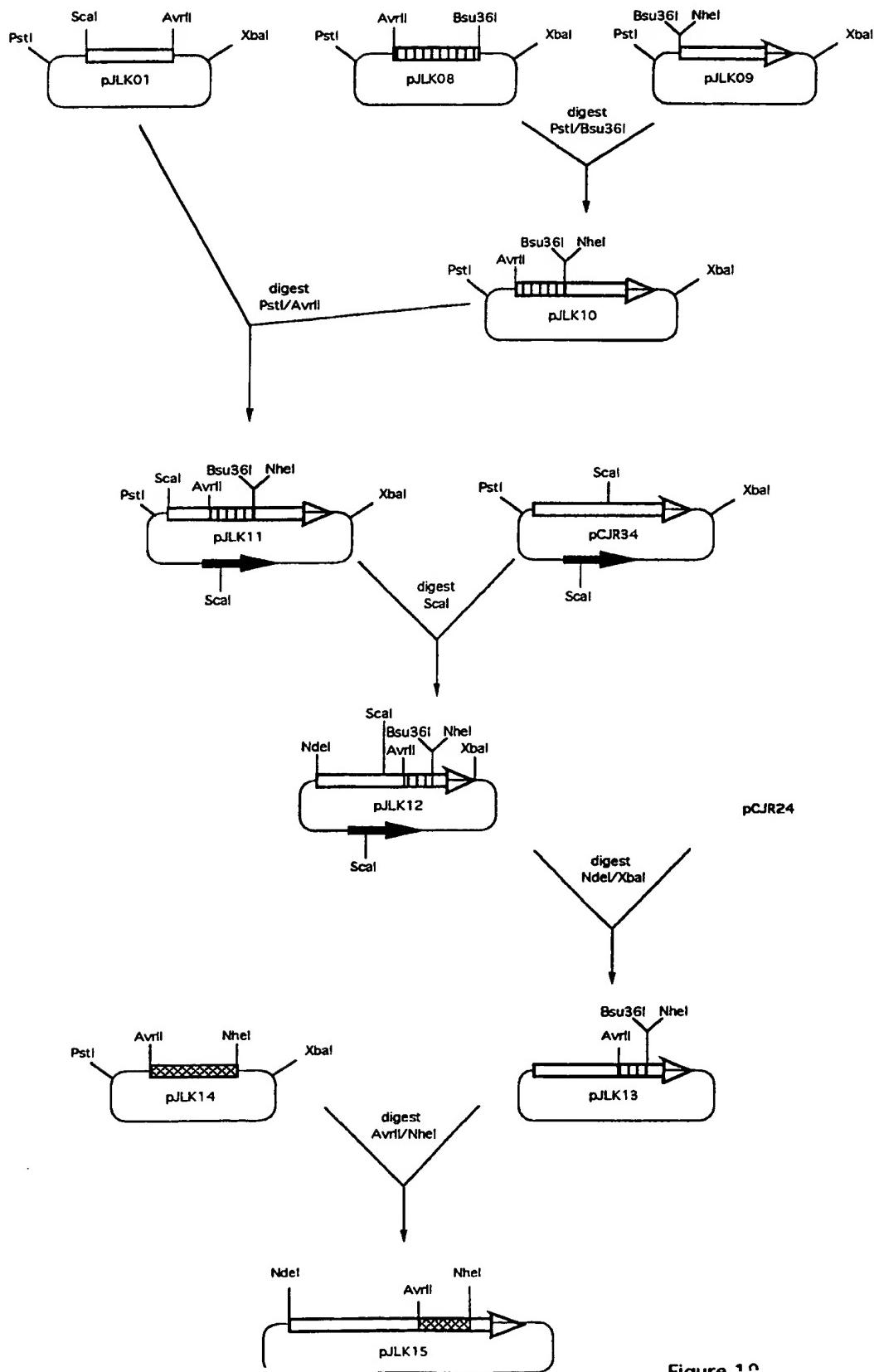


Figure 10

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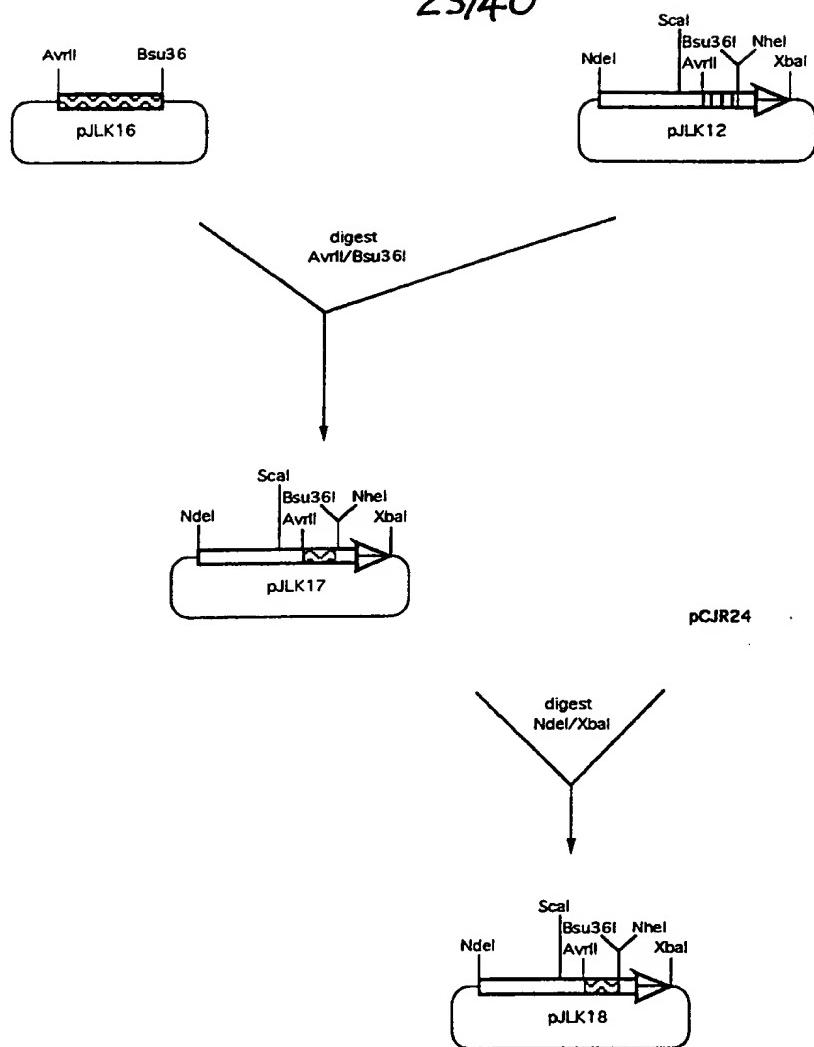
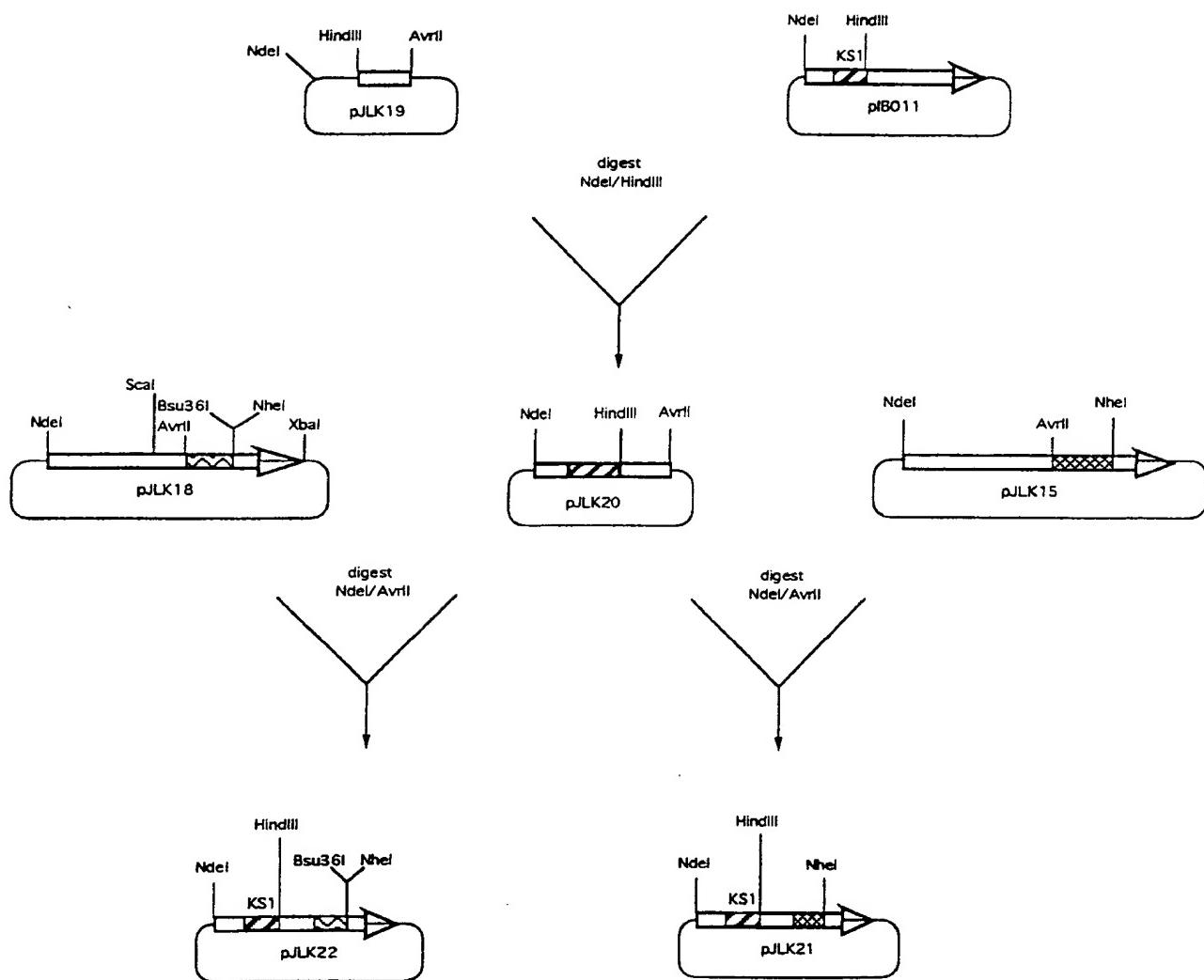


Figure 20

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Figure 21

Construction of a Diketide Synthase With Different Reductive Loops



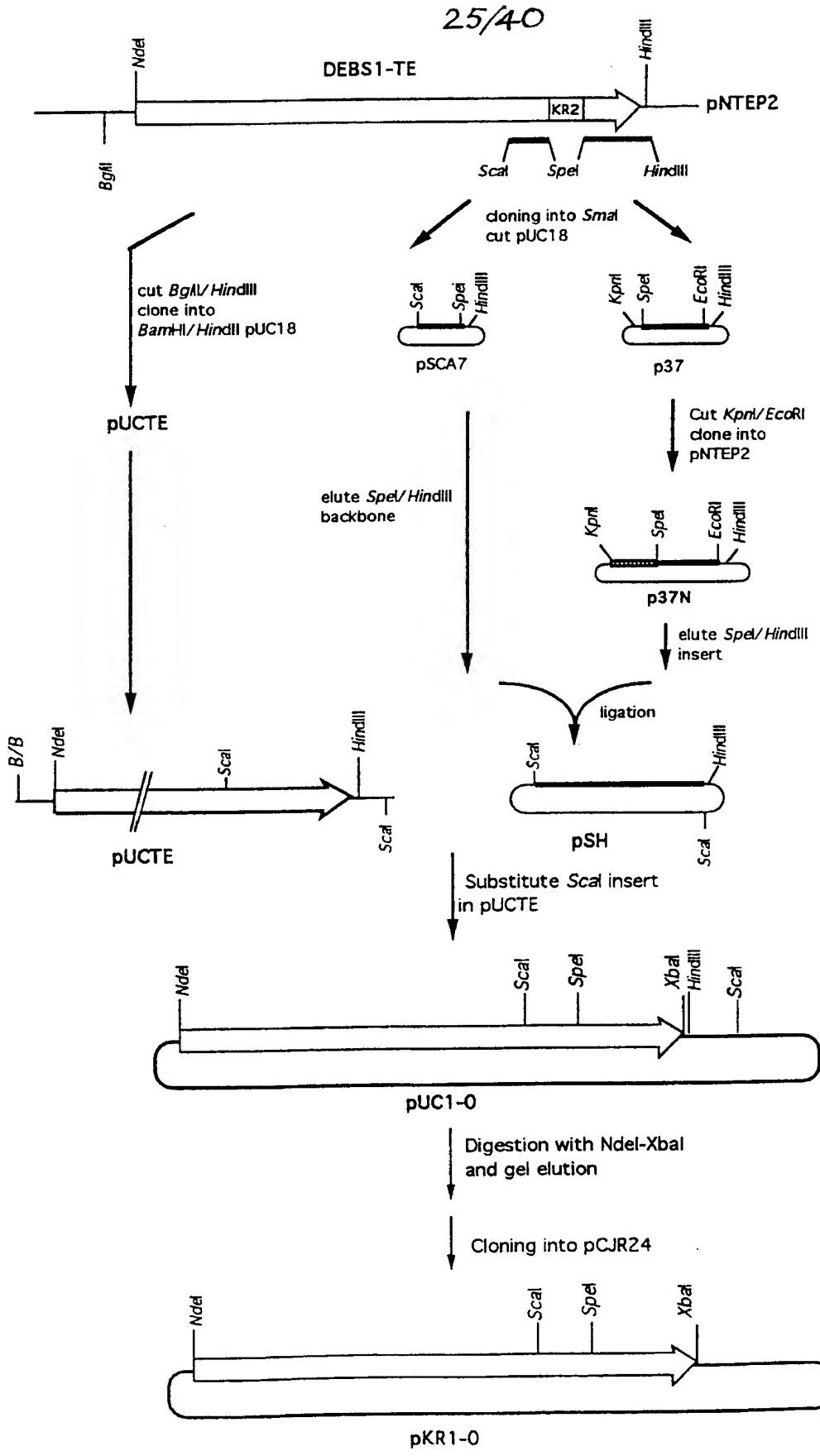


Fig 22

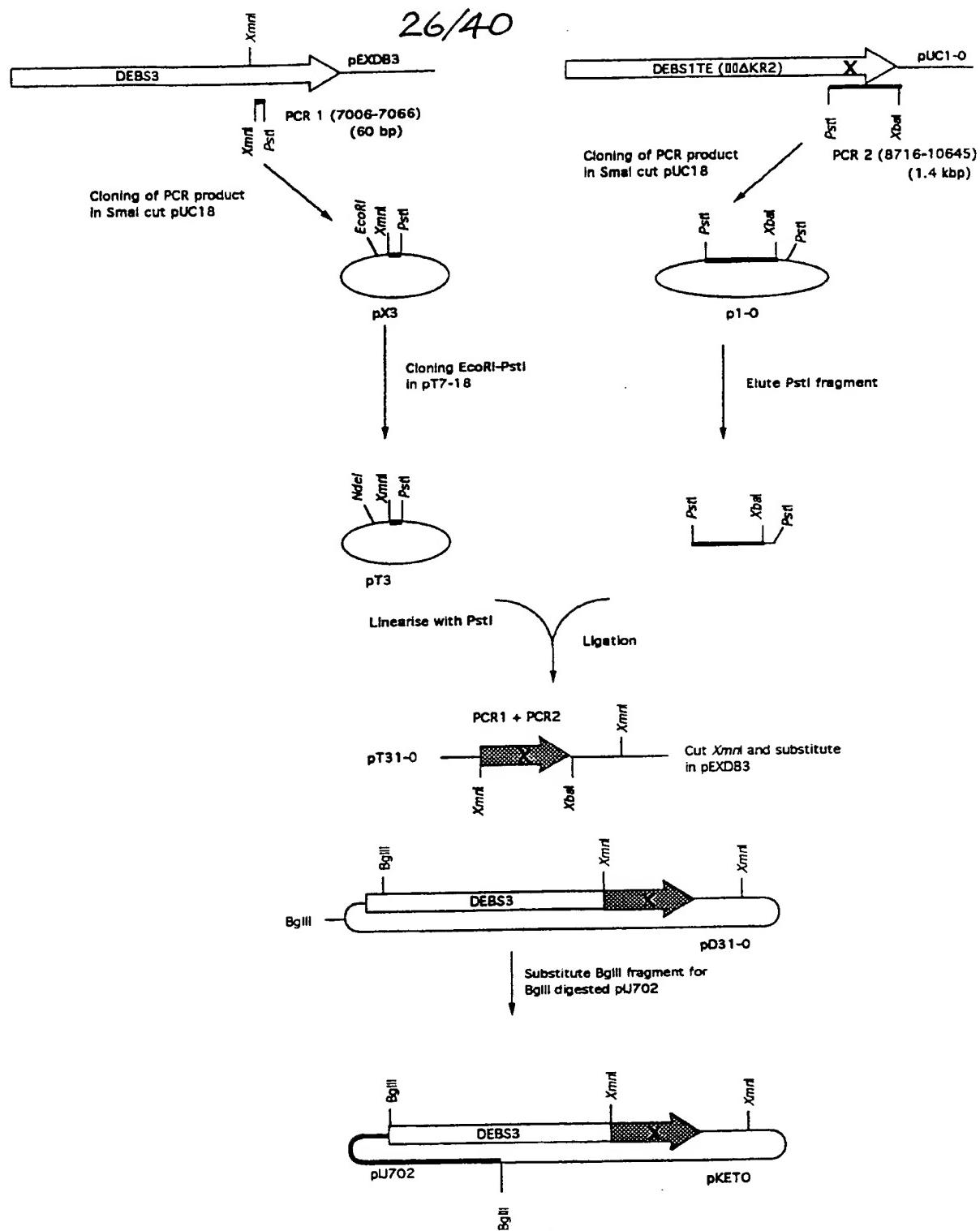


Fig 23. Construction of plasmid pKETO

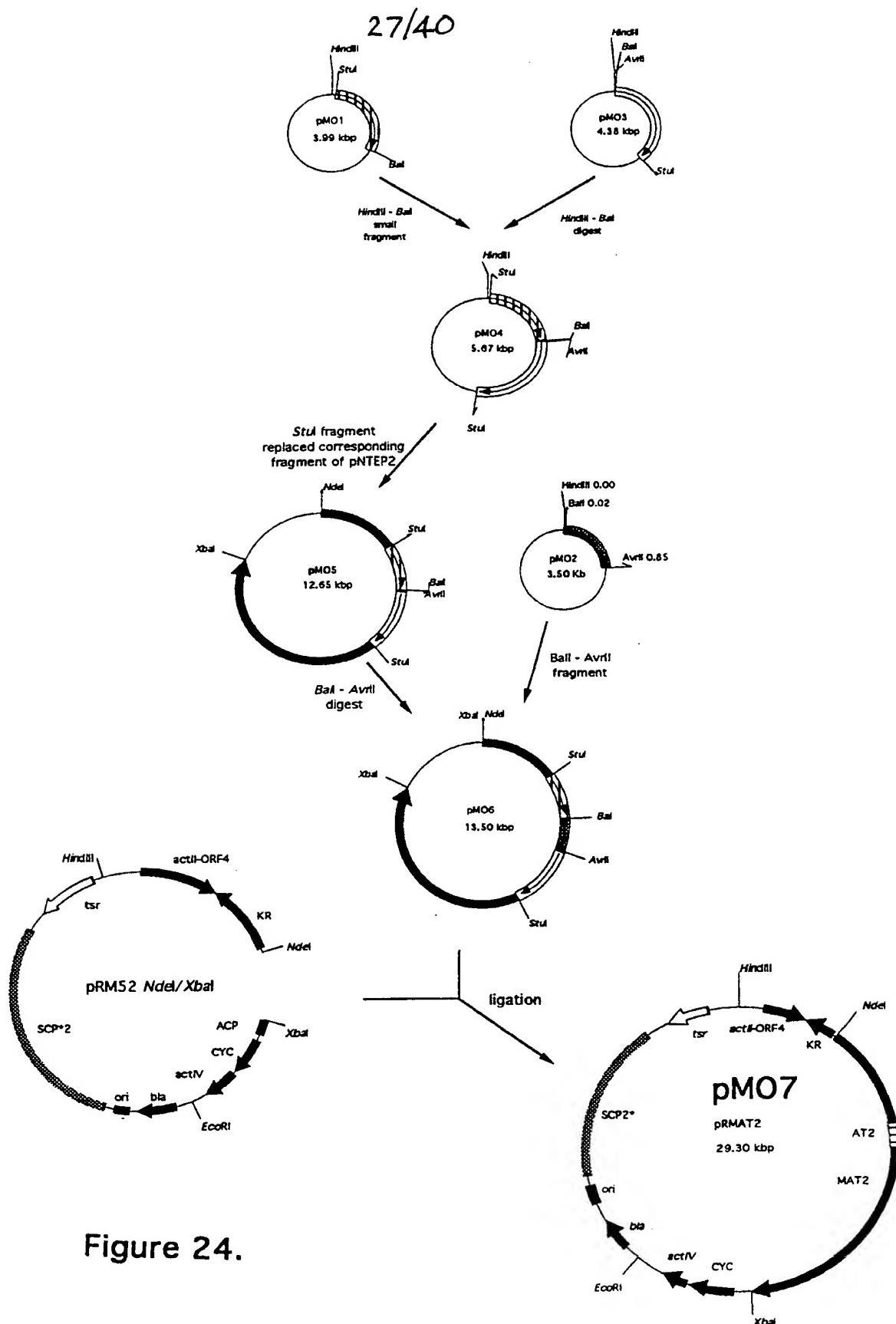


Figure 24.

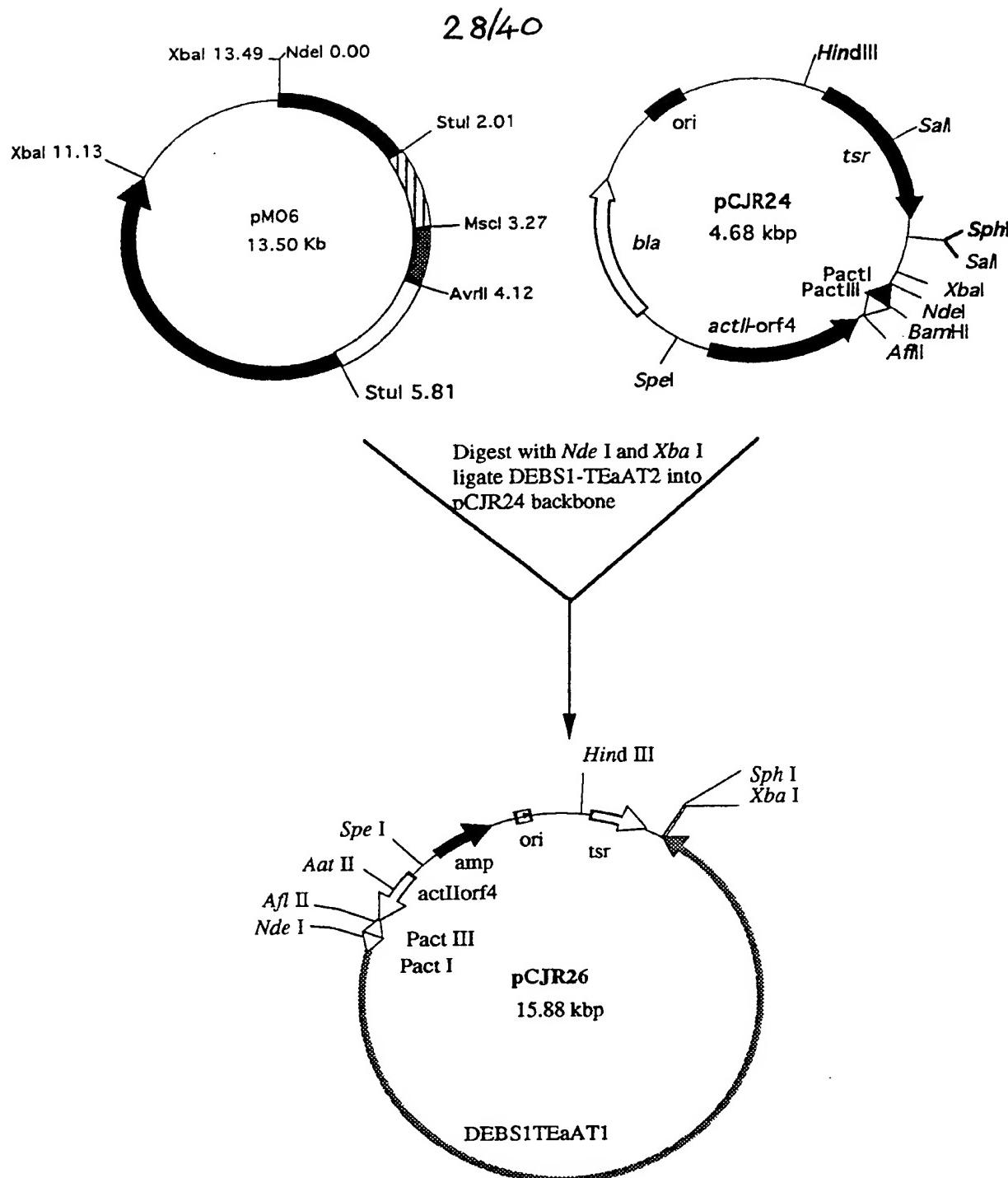


Figure
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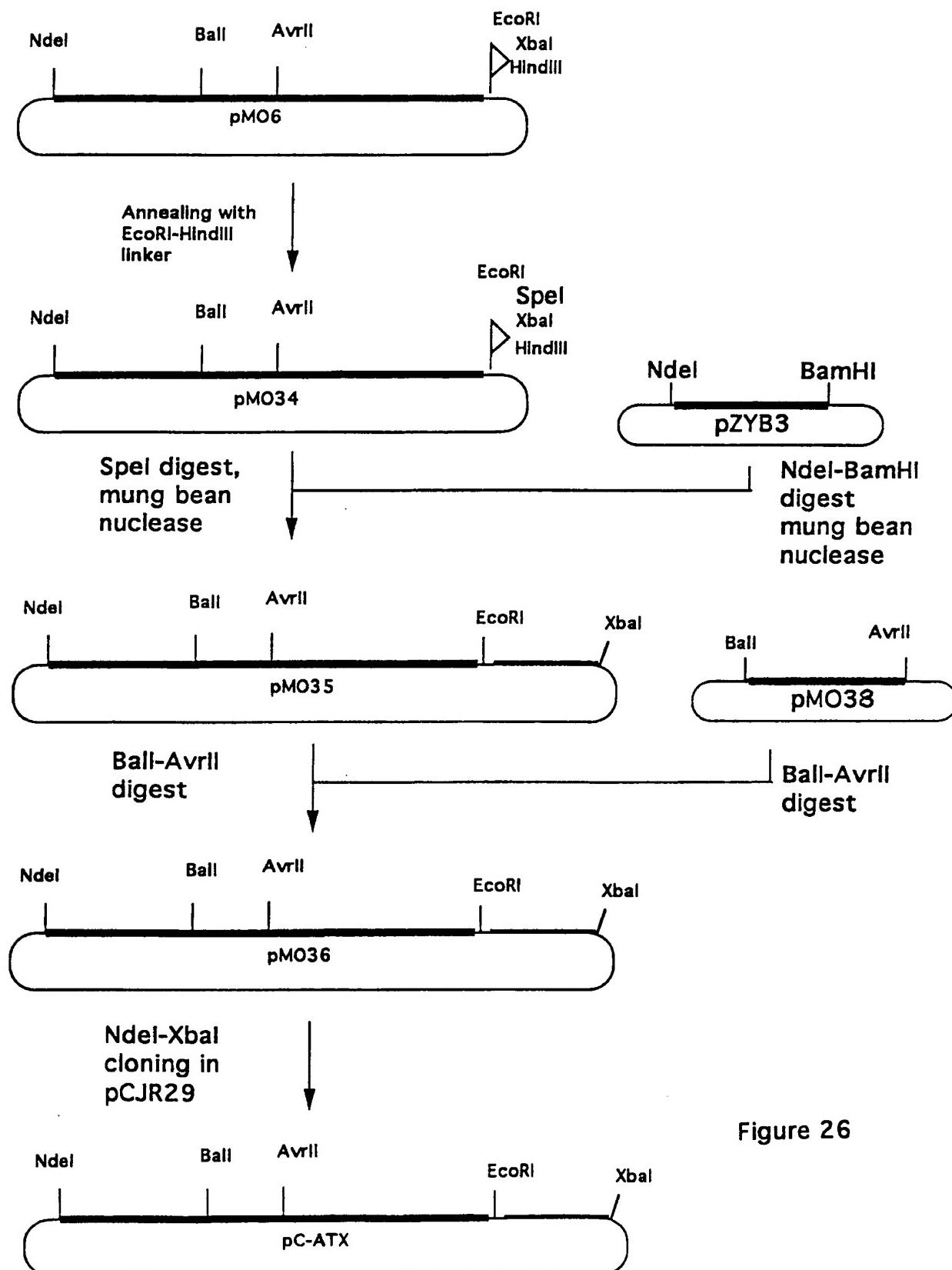
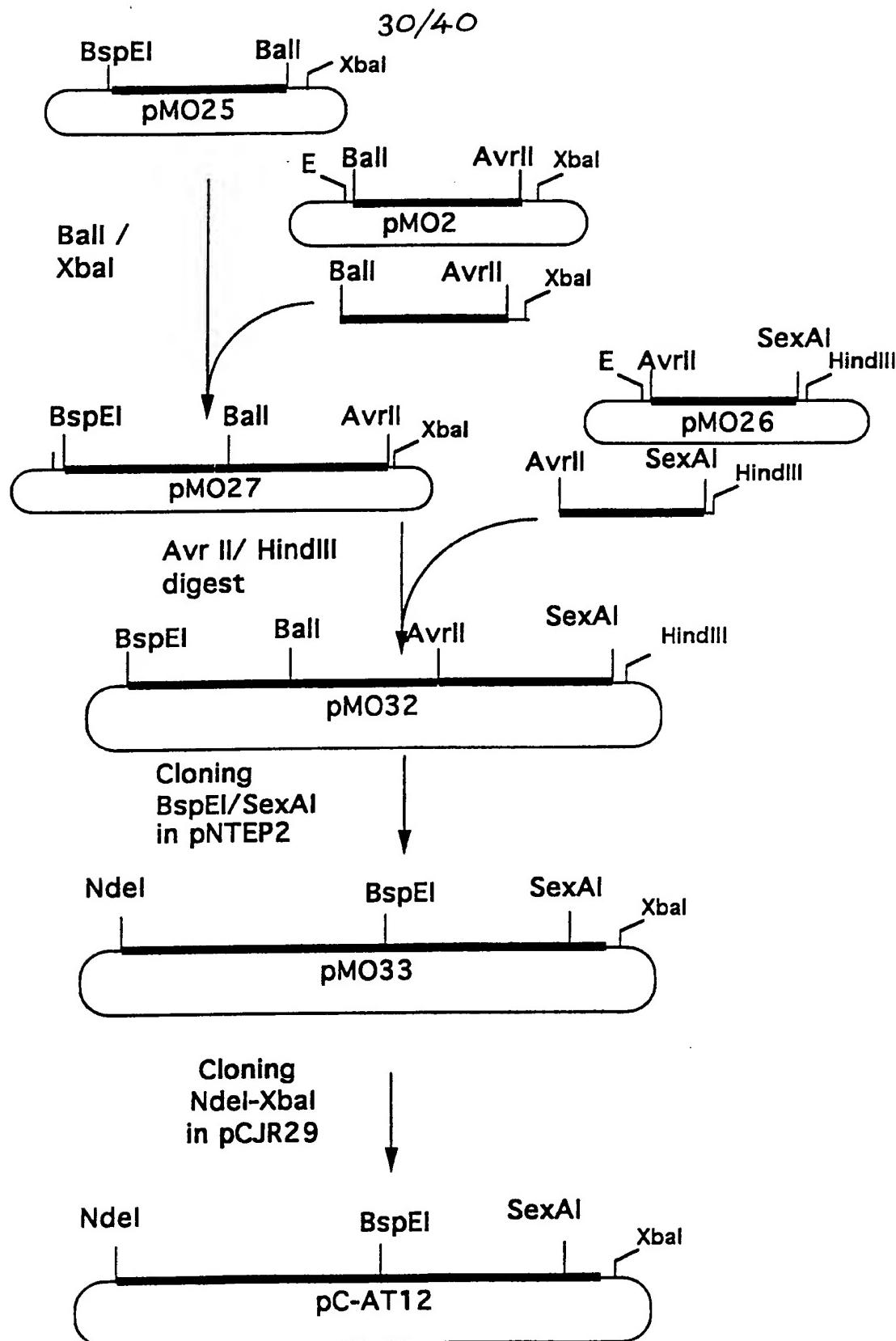
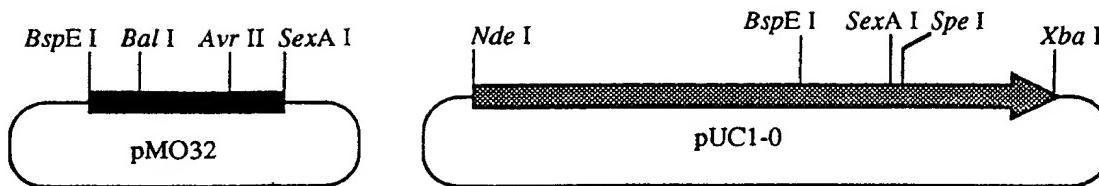


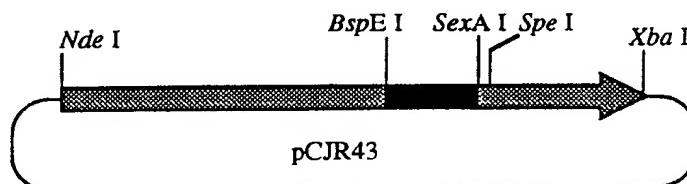
Figure 26



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Digest with *BspE* I and *SexA* I
clone RAP AT2 into pUC1-0 backbone



Digest with *Nde* I and *Xba* I and clone into
pCJR24 which had previously been
digested with *Nde* I and *Xba* I

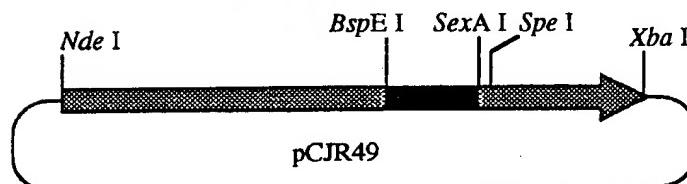


Figure
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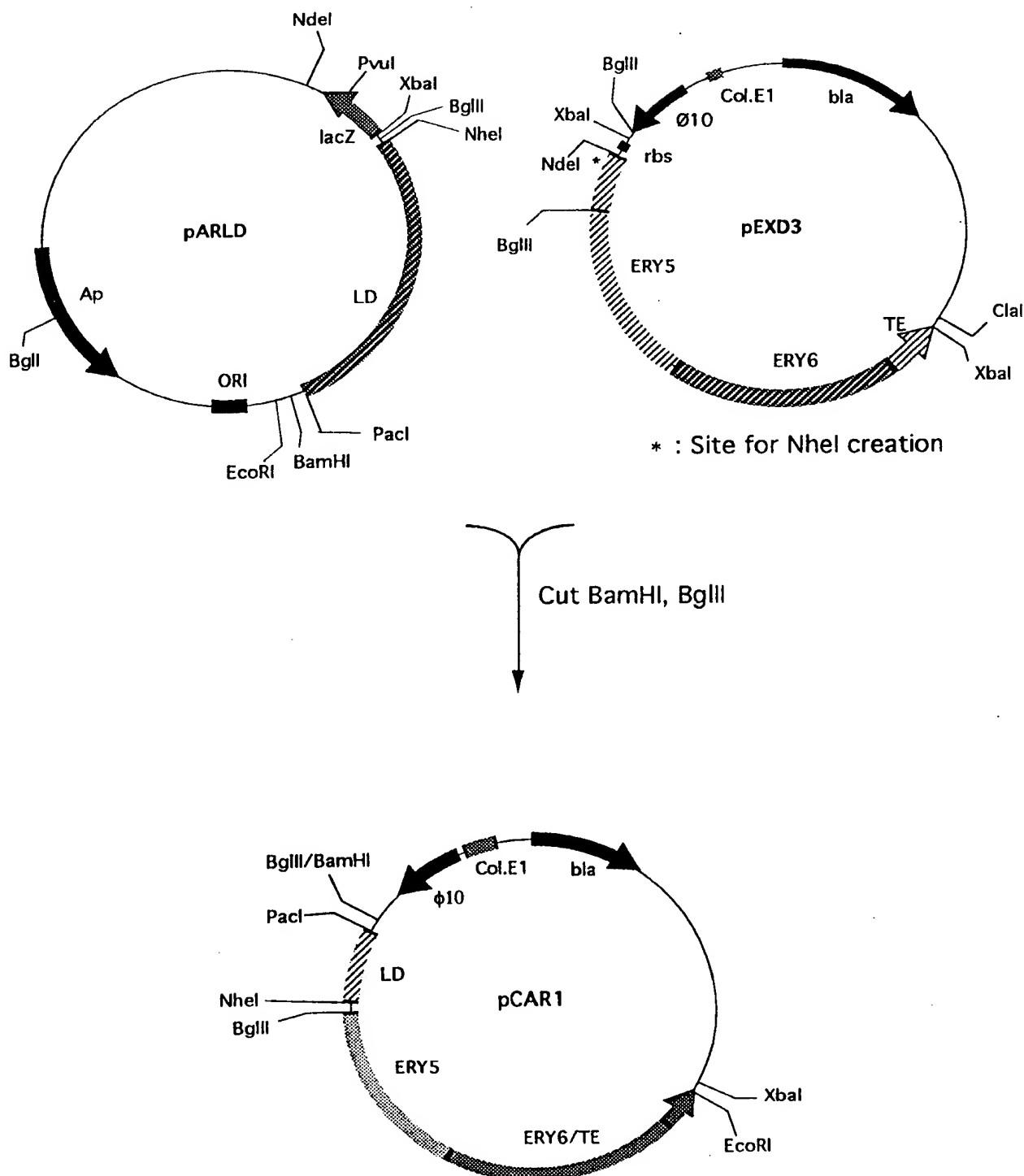


Figure 29a: Construction of pCART11

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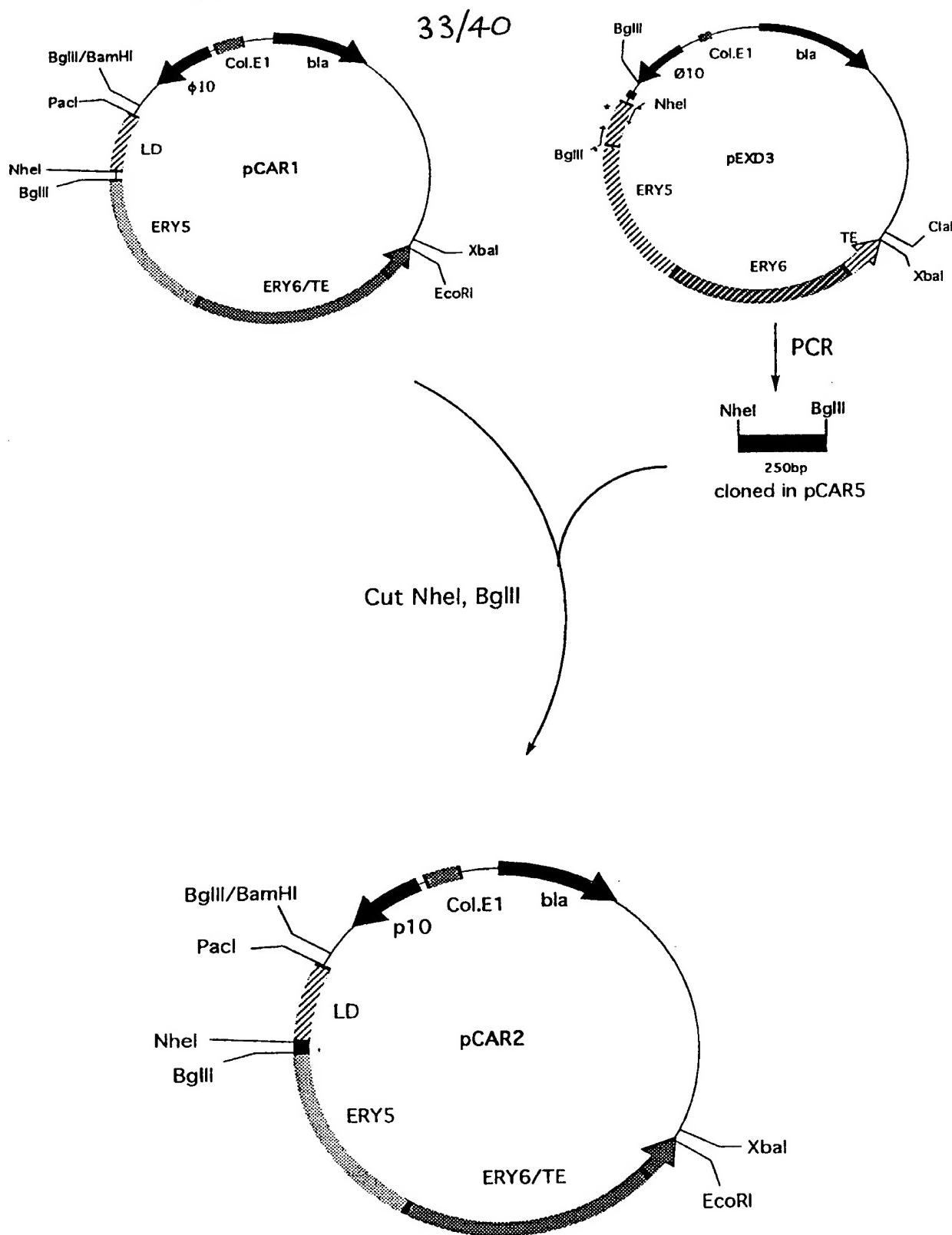


Figure 29b: Construction of pCART11

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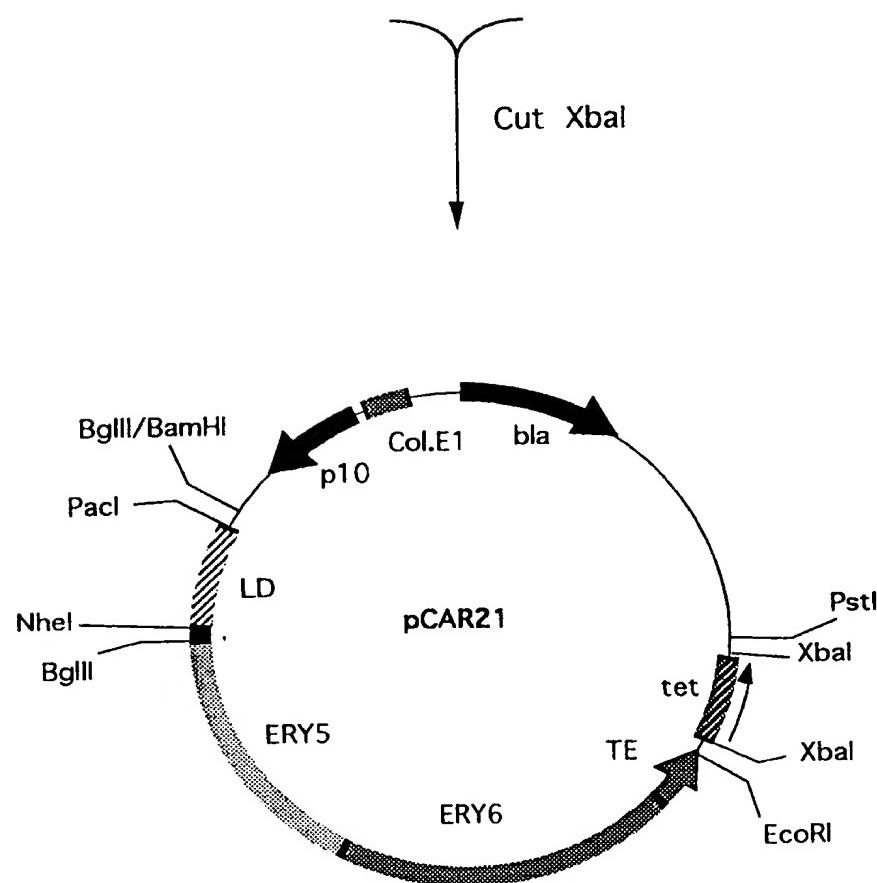
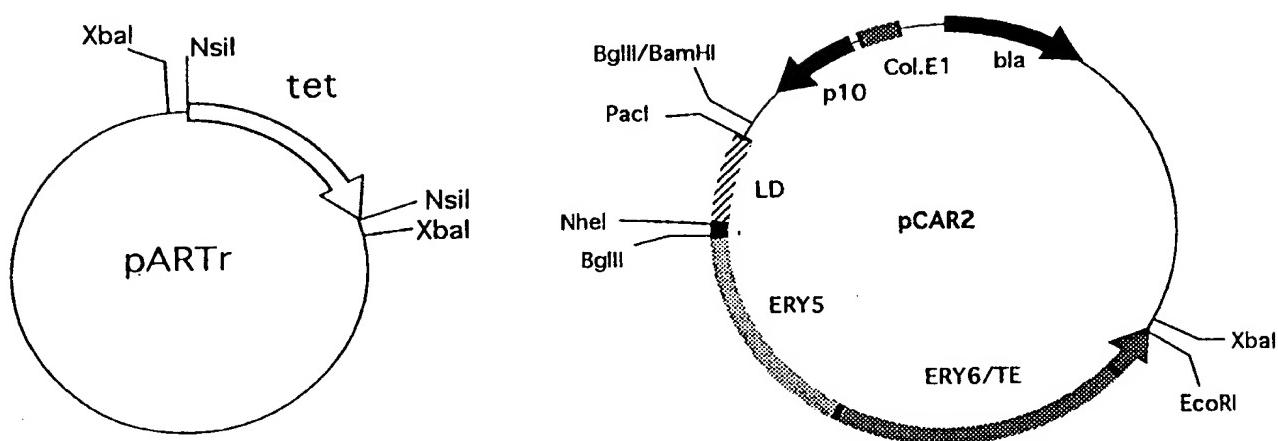


Figure 29c: Construction of pCART11

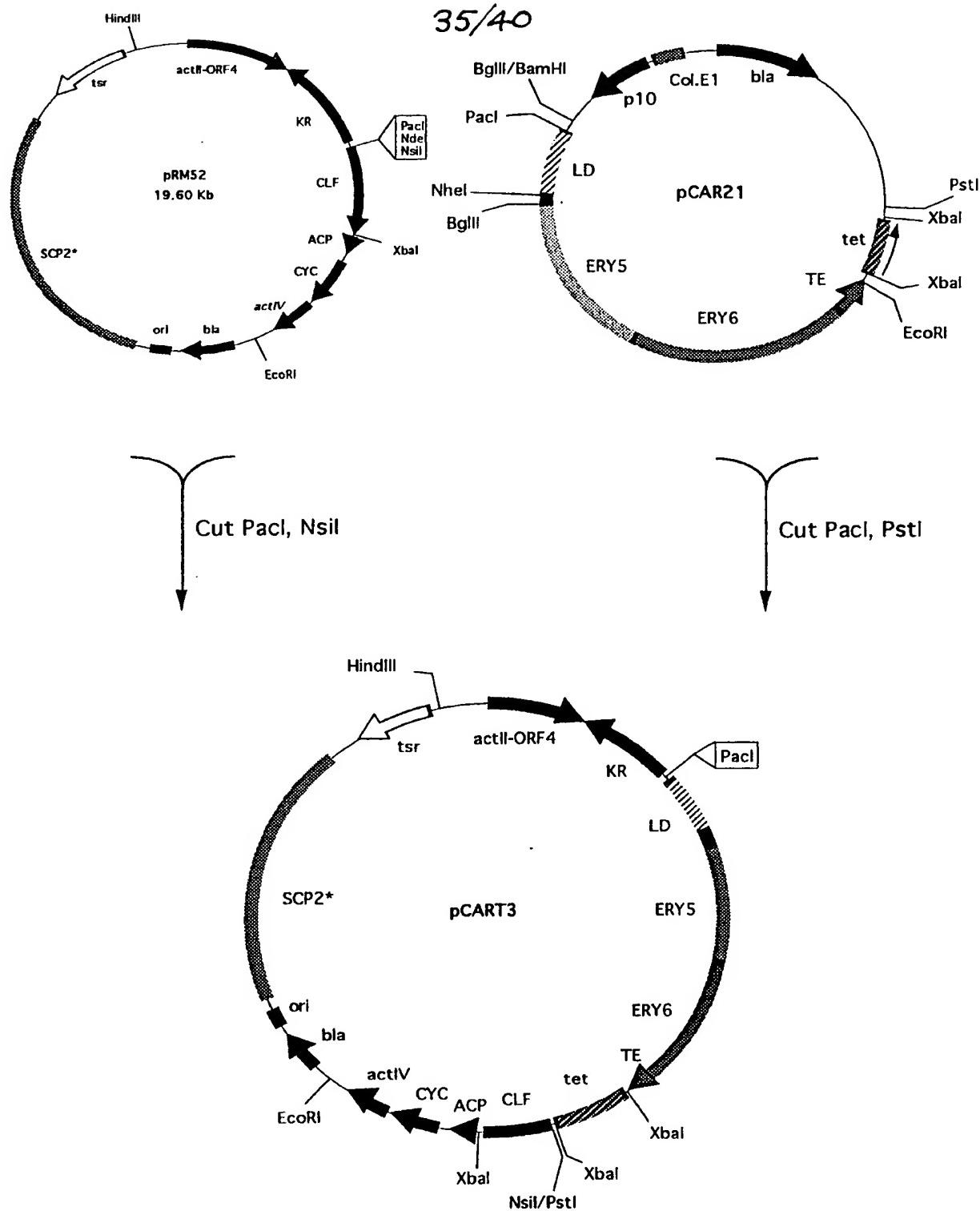


Figure 29d: Construction of pCART11

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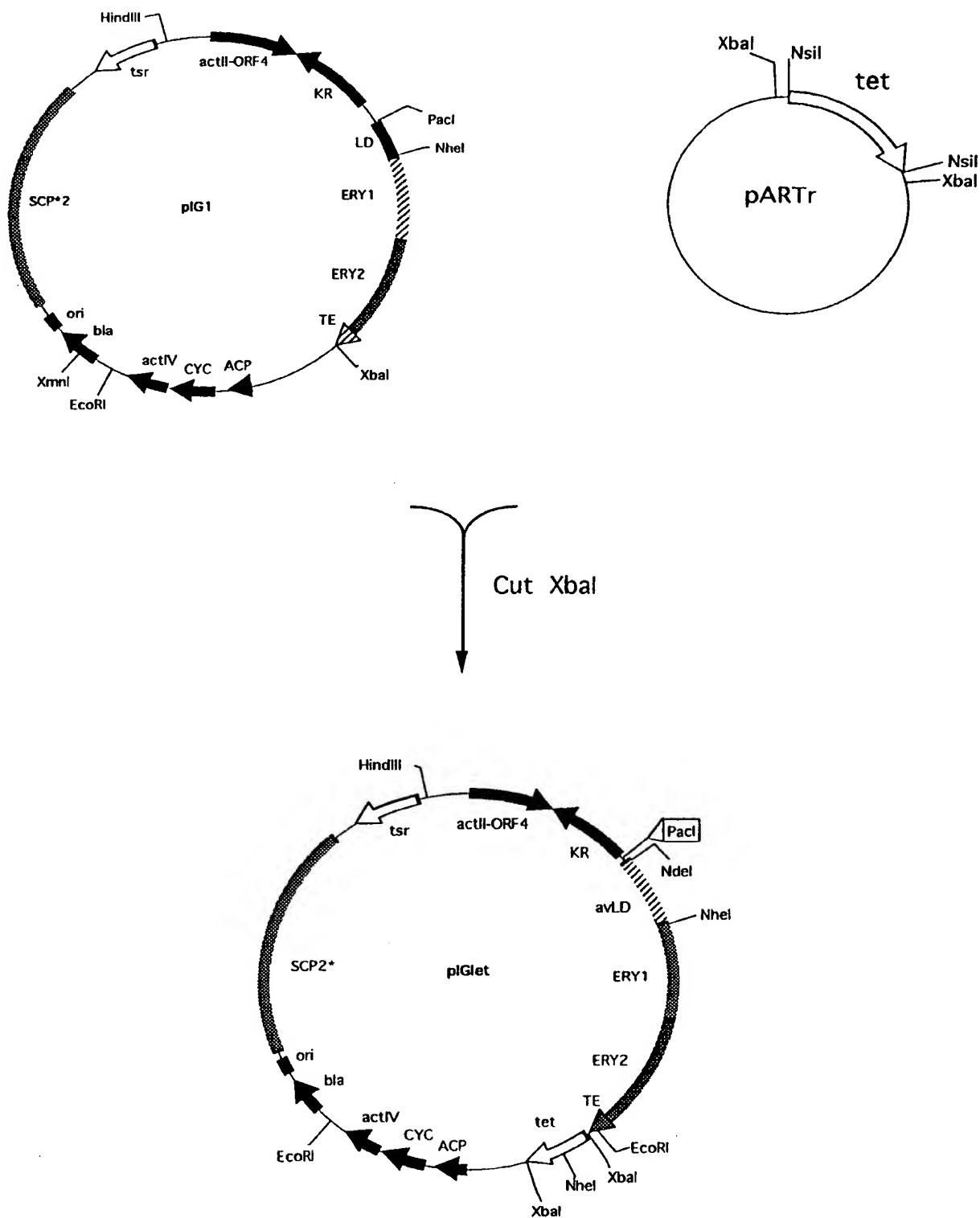


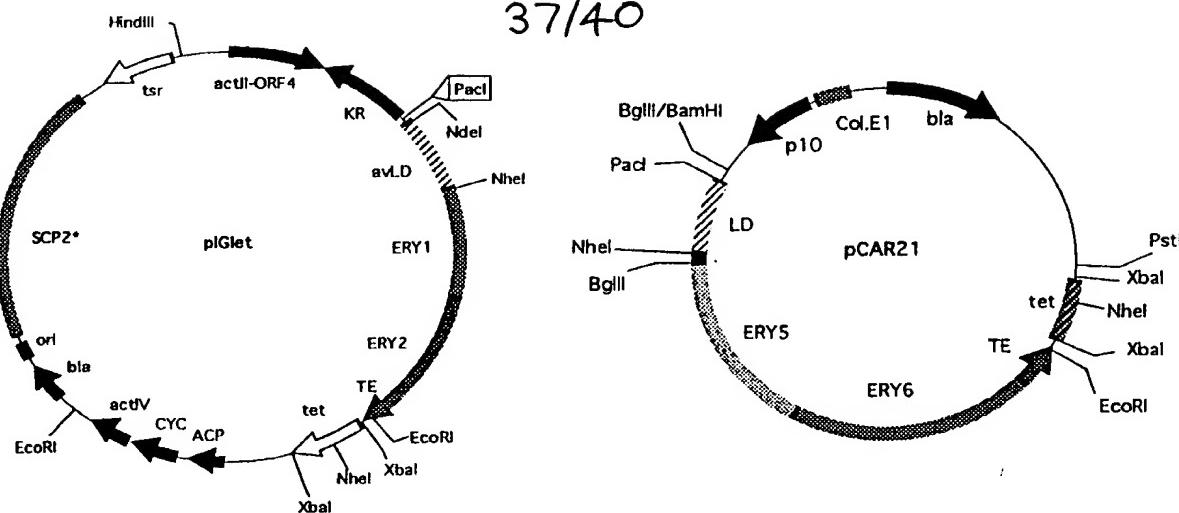
Figure 29e: Construction of pCART11

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Cut NheI
Pseudo-directional cloning

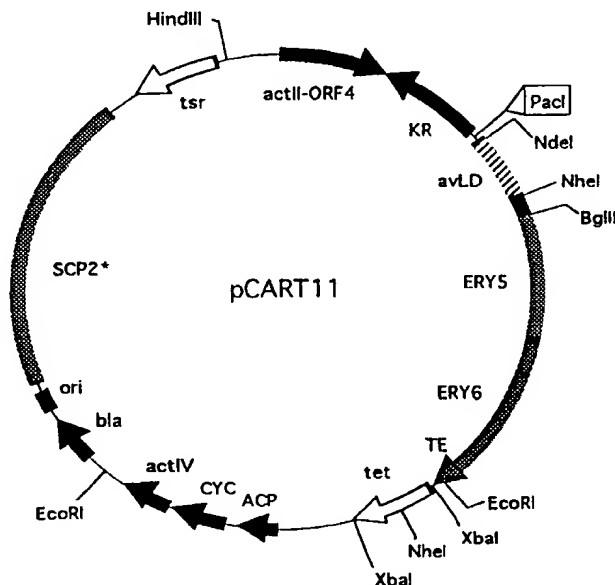
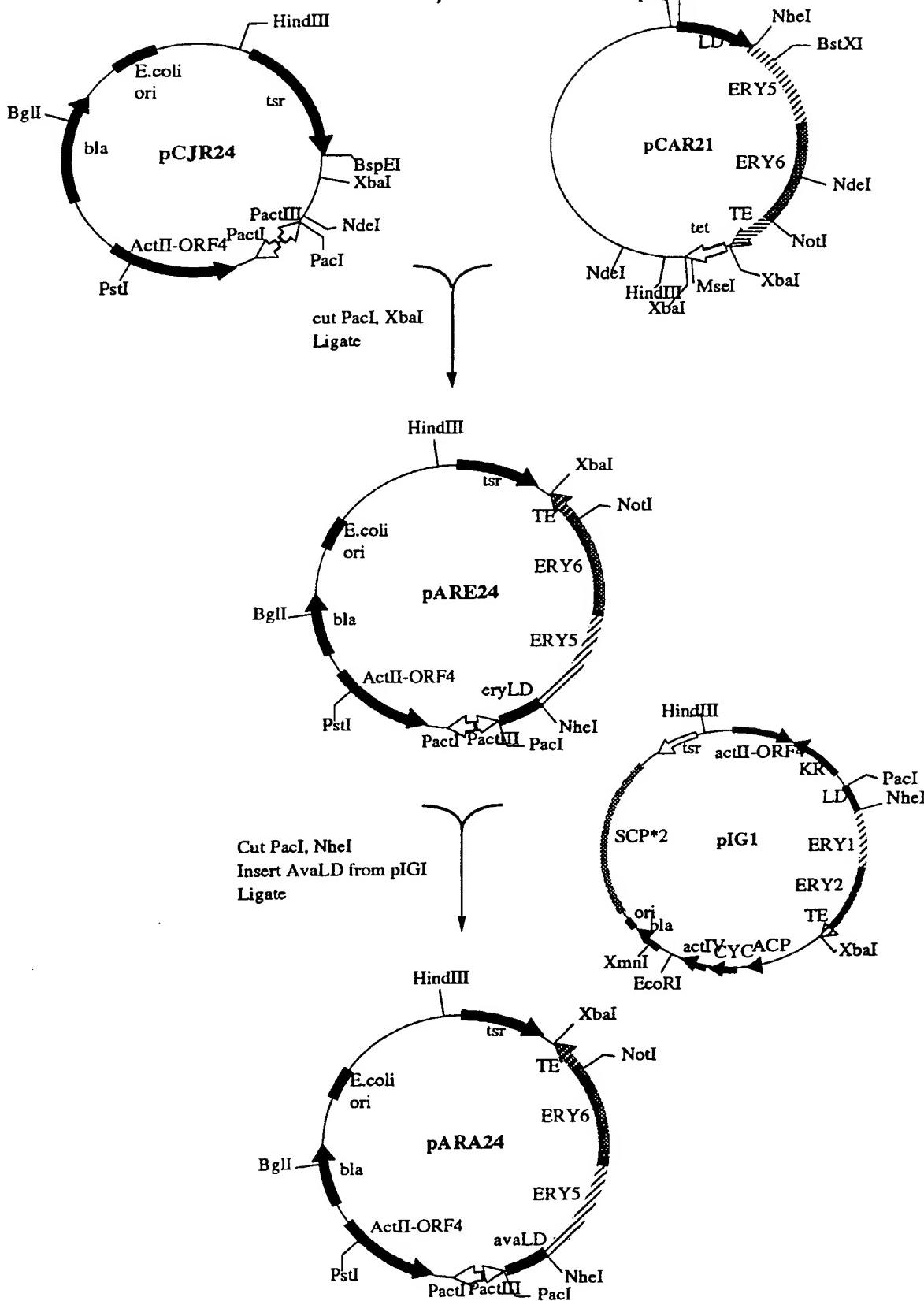


Figure 29f: Construction of pCART11

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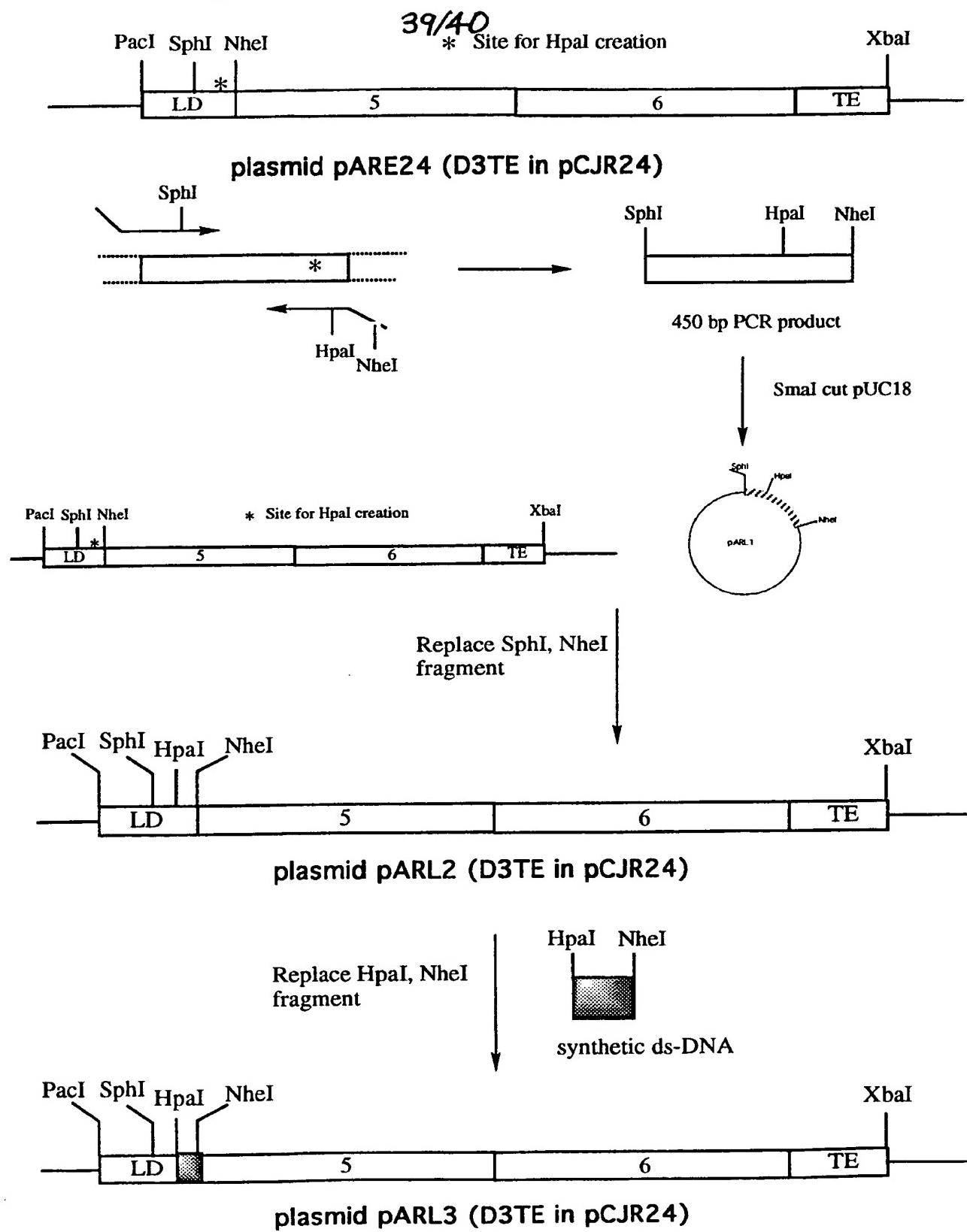


Figure 31 : Construction of plasmid pARL3

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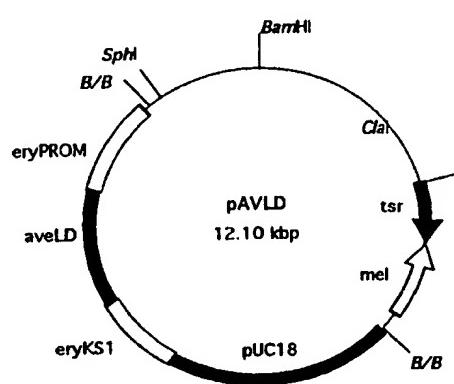
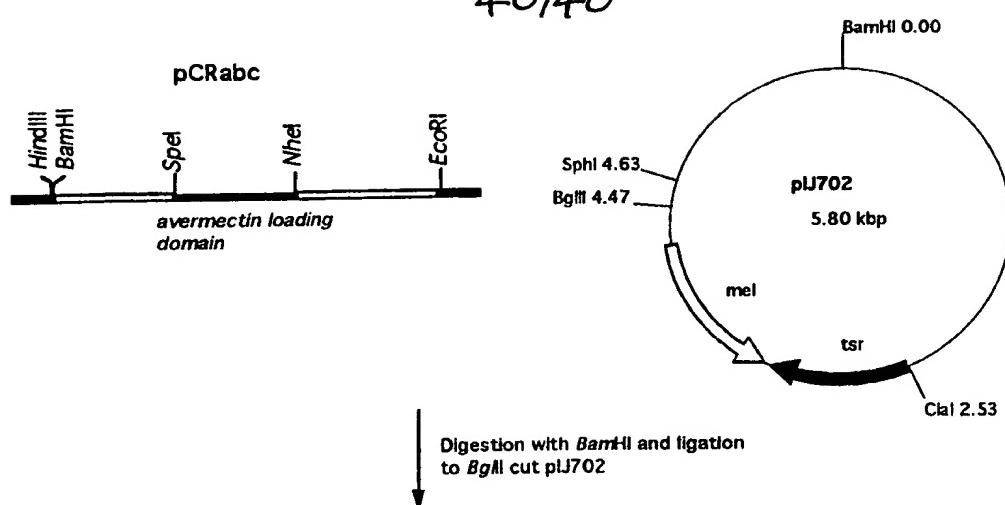


Figure 32.